


NAME	Solar Eclipse From Earth
EXAMPLE	
DESCRIPTION	Zoom-in of partial to total solar eclipse including diamond ring
URL	https://space.rice.edu/eclipse/eclipse_animations.html
DOWNLOAD	https://forms.gle/sS8q31qFSDRnhnbX7 (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. 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 First contact is when the disk of the Moon</p> <p>00:03 first starts to cover the Sun</p> <p>00:06 During the partial phases</p> <p>00:08 you must use solar filters or projection techniques</p> <p>00:11 to safely observe the Sun.</p> <p>00:13 It takes about an hour</p> <p>00:15 for the moon to completely cover the Sun.</p> <p>00:19 The last bit of the Sun is the "diamond ring".</p> <p>00:23 "Second Contact" - totality!</p> <p>00:26 "Third contact"! Put back on your filters!</p> <p>00:30 The last hour the moon gracefully exits, uncovering the Sun.</p> <p>00:40 As the last bit of the moon leaves the Sun,</p> <p>00:44 it is "Fourth contact"</p> <p>00:46 and the end of the eclipse.</p>
KEYWORDS	eclipse, solar, Earth, Sun, Moon, orbit

