



Image of the total lunar eclipse of 2008 February 20, around 10:15 pm EST. Lunar eclipses occur when the Sun, Earth and Moon line up in their orbits, and the Moon passes through the Earth's shadow. The image is monochromatic, but was colorized to the approximate color of the eclipse. The red color of the eclipse is due to the sunlight being scattered by the Earth's atmosphere – the same color one sees at sunset or sunrise. The image is a mosaic of 9 partial disk images, taken with the help of students Caroline Savio, David Sutton, and Ryan MacIntire. The NJIT observatory's 10" Meade LX200GPS telescope and SBIG STL-1301 CCD camera were used to record the image.