



2019 Lunar Eclipse January 20 - 21

We have a Total Lunar Eclipse occurring on the night of January 20 and lasting into the early morning hours of January 21st. The Lunar Eclipse is quite different than the Solar Eclipse we saw in August 2017. The Lunar eclipse can be viewed without eye protection. During a Lunar Eclipse the full moon will be cast into the Earth's Shadow.

Here's the Eclipse schedule for our viewing area, the partial phase of the Lunar Eclipse will begin at 10:33 PM The Total Phase will begin at 11:41 PM and will end at January 21st at 12:43 AM and the Partial Eclipse Phase will end at 1:30 AM.

The best viewing and photographing location is probably your back yard, assuming you have an unobstructed view of the moon and you don't have bright street lights to contend with. For camera gear you'll need a digital or film camera, sturdy tripod, shutter release or use your camera's delay shutter release. For the lens, The bigger the lens the better, ideal would be a 500 mm lens on a cropped sensor, this would yield an 35 mm equivalent of 750 mm.

Another thought is to use a wide angle lens, say 35 mm or so, and place the moon in the upper left corner and take a photo about every 5 minutes. Then stack the images to show all phases of the eclipse. Here's a good article with a stacked moon photo, for guidance:

<https://mreclipse.com/LEphoto/LEphoto.html>

The linked article above shows the Lunar Eclipse Exposure Guide with exposure settings for each phases of the Lunar Eclipse, these are only suggestions or estimates, as the brightness will vary greatly, (8 stops) from a bright full moon to a moon glowing red in the earth's shadow. So, you'll be busy.

All we need now is a clear sky the night of Jan 20 and the morning of Jan 21st....

Here's another link on how to photo an Eclipse:

<https://photographylife.com/landscapes/how-to-photograph-a-lunar-eclipse>