

Shoot The Moon

Guide To Photographing The Moon

- **Information To Know Before You Begin**
 - The longer the exposure, the more the blur
 - The longer the lens, the more the blur
 - The longer the lens, the faster the moon moves through the viewfinder
 - Moisture (dew) may form on the lens/viewfinder
 - Allow the camera and lens adjust to the temperature
 - The moon can be brighter than it appears to your eyes

- **Equipment**

- Tripod
- Camera
- Fully charged battery or batteries
- Lens – 200mm or longer recommended
- Remote shutter release or interval timer
- Mirror lock-up and self-timer
- Small flashlight, preferably with red light
- Auto guider, if you are really into it

- **Taking The Image**

- The moon is a sunlit subject
- Angle of moon over horizon can affect brightness
- Starting with Sunny 16 or Loony 11 Rule
 - 1/ISO @ f16 or f11
 - These settings may overexpose the moon
- Zoom in and spot meter the moon
- Adjust the aperture/shutter speed
- Take photo, view image, adjust if needed
- Check white balance (I have used Auto w/success)
- Take next photo, adjust again if needed
- Bracket Exposures



f5.3 @ 1/125 ISO 200 - Canon SX200 IS 336mm Equiv, Cropped



F6.7 @ 1/125 ISO 100 – Canon 10D 400mm, Cropped/Levels



Each Image
F5.6 @ 3.0 Sec ISO 200
Canon 10D 145mm
10 Minutes Separation



Each Image
F5.6 @ 1/125 ISO 200
Canon 10D 200 mm
5 Minute Separation

How to:

Image 1



Image 2



Image 3



Image 4

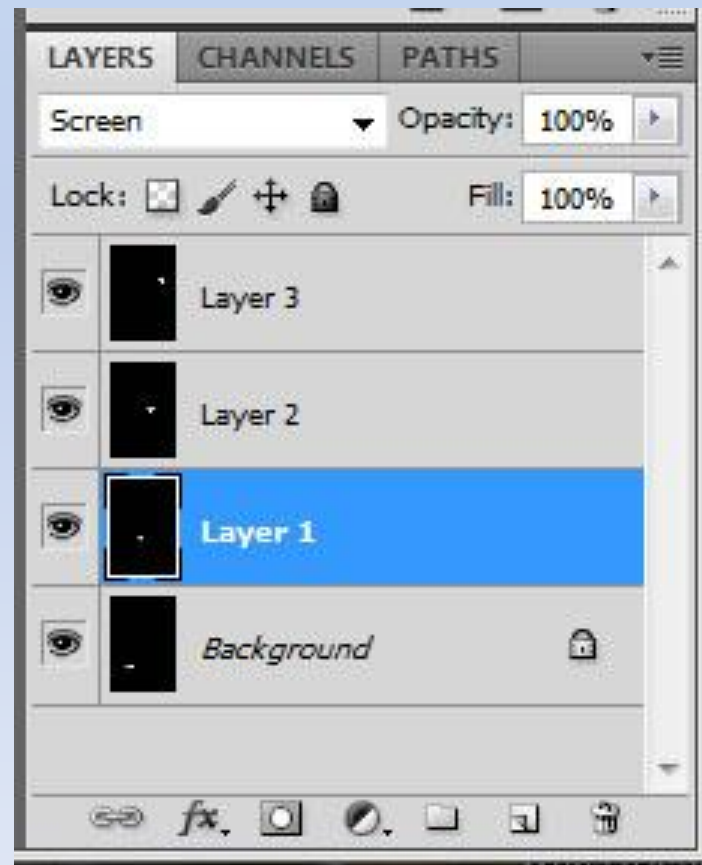


Sharpen, Adjust Density, etc as needed

Copy Images 2, 3, and 4 into Image 1

Change Blend Mode of Layers 1, 2, 3 to Screen

Crop as needed



Additional Information

- Lunar Eclipse – Dec 10, 2011 Moon Set
- Search internet for “Photographing Moon”
<http://www.mreclipse.com/LEphoto/LEphoto.html>
<http://mansurovs.com/how-to-photograph-moon>
<http://photodoto.com/four-basic-tips-for-photographing-the-moon/>

All Images by Harold Marx

