



West Jersey Astronomical Society

2018 Astrophotography Imaging Seminar: Focusing on 200 mm DSLR Astrophotography

Three sessions:

Thursday, March 15th, 7:30-9:30pm

Wednesday, March 28th, 7:30-9:30pm

Wednesday April 11th, 7:30-9:30pm

Instructor: Daniel McCauley

Cost: \$15 member/\$25 non-member - must preregister for this event.

Pizza and snacks will be served.

WAS member, Daniel McCauley presents this 3-session Astrophotography Imaging seminar to review the basic and functional operation of using a Canon DSLR with a 200mm lens as a relatively inexpensive and very capable astrophotography platform. Dan's insight of the equipment and software required for such a platform will be reviewed and discussed in detail as well as the entire workflow from start to finish which includes image selection, image acquisition, calibration frames, and finally image processing. The first session will provide an equipment and software overview as well as going through all steps of the workflow including calibration frames. The second session will be hands-on outdoor session demonstrating adjusting camera settings, focusing, target locating, and image acquisition. The final session will be an indoor session on step-by-step final image processing.

GOAL: Demonstrate a cost effective astrophotography platform that does not require advanced techniques or equipment and is capable of photographing amazing regions and objects of the night sky. This seminar will focus on a step-by-step approach based on Daniel McCauley's experiences and will be practical in nature.

SESSION 1: Introduction and Equipment Overview - All equipment and software required for this astrophotography platform will be discussed in detail as well as the step-by-step image acquisition workflow. If time allows, calibration images will be demonstrated.

SESSION 2: Image Acquisition Demonstration- The imaging platform will be demonstrated with actual hardware from start to finish. This includes a mock polar alignment, balancing, target acquisition, and finally image capture.

SESSION 3: Image Processing- A basic step-by-step sample image workflow will be demonstrated that can be used with most 200mm images. The workflow will include initial calibration and image stacking, and final processing. Software used will be PixInsight and Photoshop.

Each session will be approximately 2 hours. Handouts will be provided and available online.

Please you must preregister send email to was.wevans@gmail.com by March 12th include the following information. Payment will be collected on the first night.

Member Name:

Address:

City: _____

State: _____ Zip: _____

Phone: _____ Cell Phone: _____

E-mail: _____

**Pizza and snacks will be served.
Please let us know of any food allergies:**
