

AGENDA

THE CONSTELLATION RANCH ASTRO IMAGING WORKSHOP 2.0

Thursday March 26th - Intro, Setup and Acquisition

- 9:00-9:30 – Class and Attendee Introductions
 - 9:30-10:30 – Astro Imaging Basics Primer
 - 10:30-11:30 – Equipment Setup, Balance and Polar Alignment
 - 11:30-1:00 – Lunch
 - 1:00-2:00 – Target Selection Presentation
 - 2:00-3:00 – Image Acquisition and Different Types of Software
 - 3:00-4:00 – Intro to Auto Guiding and PHD
 - 4:00-5:00 – Hands On Instructor Availability
 - 6:00 – Dinner
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Friday March 27th - PixInsight Calibration and Pre-Processing

- 10:00-10:30 – An intro to PixInsight and Workflow Setup
 - 10:30-11:30 – Creating Master Calibration Frames
 - 11:30-12:00 – Light Frame Calibration
 - 12:00-1:30 – Lunch
 - 1:30-2:30 – Registration of Frames (Star Alignment)
 - 2:30-3:30 – Image Integration (Stacking)
 - 3:30-4:00 – Batch Preprocessing Script
 - 4:00-5:00 – Hands On Instructor Availability
 - 6:00 – Dinner
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Saturday March 28th - PixInsight Post Processing

10:00-11:30 – Channel Processing RGB, Narrowband and Luminance

11:30-12:00 – RGB Channel Combine

12:00-1:30 – Lunch

1:00-3:30 – Workflow Processing One Shot Color and Luminance

3:30-4:00 – LRGB Combine

4:00-5:00 – Background Enhancement using Range Masks

5:00-5:30 – Dark Structure Enhancement

6:00 – Dinner and Door prize giveaway

Note: The day class instruction will be presented with a projector and lecture based environment. Due to time constraints and performance variables within different computers, PC's and laptops are not required. However, if you wish to participate and follow along, you may bring one. I will provide as many electrical outlets as possible but one is not guaranteed. Every attendee will receive a PixInsight workflow Icon Set. If you do wish to bring a computer and follow along, it is recommended that you examine the software we will be working with from the agenda and have it available. Most of what we will be working with is either free or has a no cost trial. If you already have some working knowledge of the software being used then that will help the learning curve. Bringing your own equipment is not required. It is only encouraged to make the most of your visit since we will be in a beautiful dark sky site. PixInsight trial license can take up to 24-48 hours to receive. If you plan to work from the trial, please plan accordingly. The likelihood of obtaining trial license on the day of class is poor at best.