

All,

I've been working on materials for the Astrophotography Workshops.

See here:

<https://drive.google.com/folderview?id=0B-ajT8x5IBeGUHZrVIZXSIIQTE0&usp=sharing>

The material includes past and new presentations, workflow checklists, instructions, sample data from both a DSLR and a CCD cameras, and videos on imaging planning resources and mount and telescope setup and image capture.

I plan to keep adding to and improving the material as we go along.

Most things are pretty specific to the software and hardware I use, but it should give folks an idea of what DSLR astrophotography involves.

I suggest that people review the material prior to attending a workshop, then bring questions and problems on the night of the workshop they've RSVP's for.

Presentations:

Introduction to SJAA: <https://drive.google.com/file/d/0B-ajT8x5IBeGcUFIMXBZdEEtbkk/view?usp=sharing>

SJAA Astro images by club members: <https://drive.google.com/file/d/0B-ajT8x5IBeGeGRXbkxhNzluZlk/view?usp=sharing>

Deep Sky Imaging Intro: <https://drive.google.com/file/d/0B-ajT8x5IBeGRC1ZMkQ5ai0yb3M/view?usp=sharing>

DSLR Astro imaging software stack: <https://drive.google.com/file/d/0B-ajT8x5IBeGUXViTzd2c1QtSHc/view?usp=sharing>

DSLR Image Capture Workflow: <https://drive.google.com/file/d/0B-ajT8x5IBeGM051UHHUdEF4WHM/view?usp=sharing>

Remote imaging with iTelsecope.net: <https://drive.google.com/file/d/0B-ajT8x5IBeGLWQtXzNMLUJMY1U/view?usp=sharing>

The videos are links to youtube, or there's a folder that has the full video should you want to download vs. stream.

The links seem a little problematic in google drive so I've included them here as well:

Deep Sky Imaging Introduction:

Part 1: <https://www.youtube.com/watch?v=6yjk2ADce9A>

Part 2: <https://www.youtube.com/watch?v=9zhN3iJeBuc>

Part 3: <https://www.youtube.com/watch?v=i3-IhV0Jdyc>

Part 4: <https://www.youtube.com/watch?v=TOrdI0jJbBI>

Part 5: https://www.youtube.com/watch?v=2_Rirp_C25M

Part 6: <https://www.youtube.com/watch?v=kzZBcQW0Khc>

Offline Imaging Planning Resources: <https://www.youtube.com/watch?v=lhPZQYV0DHk>

Online Imaging Planning Resources: <https://www.youtube.com/watch?v=p-gKE94ATJY>

Mount and Telescope Setup:

Part 1: <https://www.youtube.com/watch?v=r74Av5Y5YME>

Part 2: https://www.youtube.com/watch?v=sVjoIrl2u_g

Part 3: <https://www.youtube.com/watch?v=HfbMXWjpF-8>

Part 4: https://www.youtube.com/watch?v=w_5YKZxIkB4

Part 5: https://www.youtube.com/watch?v=_mun8eN-w-A

Polar Alignment:

Part 1: https://www.youtube.com/watch?v=qfPtM_ao5G0

Part 2: <https://www.youtube.com/watch?v=EgjUZT-zuYc>

Part 3a: <https://www.youtube.com/watch?v=21WEBE5fUNU>

Part 3b: https://www.youtube.com/watch?v=_YqOTHAKtaw

Part 4: <https://www.youtube.com/watch?v=RYn4k2yIP6Q>

Focusing and Plate Solving: <https://www.youtube.com/watch?v=LjqlhWBj69M>

Image Capture:

Part 1: <https://www.youtube.com/watch?v=f8xEv-WqmWo>

Part 2: <https://www.youtube.com/watch?v=dxah75VRPII>

Deep Sky Stacker:

Part 1: https://www.youtube.com/watch?v=_BqIU81WIxw

Part 2: <https://www.youtube.com/watch?v=uu9Odubb4xM>

The zipped sample data folders contain complete sets of images so you can practice stacking and processing, even before you successfully capture data of your own. The DSLR data is of the M81 and

M82 galaxies, captured from my home rig in Scotts Valley, and the CCD data is Luminance, and Narrow Band data of NGC7293, the Helix Nebula, captured (by me) with iTelescope.net's T32:

<http://www.itelescope.net/telescope-t32/>

In Siding Springs Australia.

More resources to come!

The schedule of workshops can be found (among many other SJAA programs for the public) here:

<http://www.meetup.com/SJ-Astronomy/>

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