



Astronomy Cafe

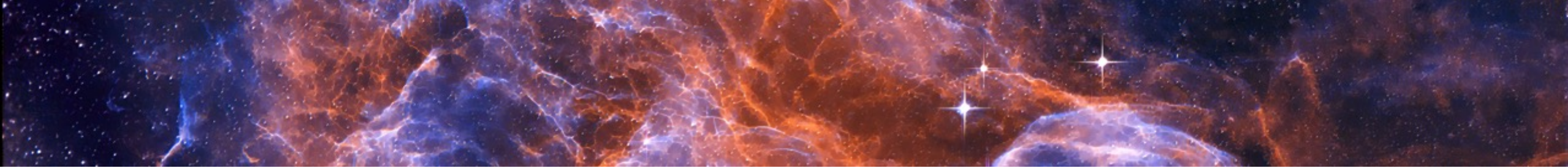
Astrophotography made simple for Photographers



Learn a simplified approach to Astrophotography using the Astronomy Café's “Virtual” Observatory

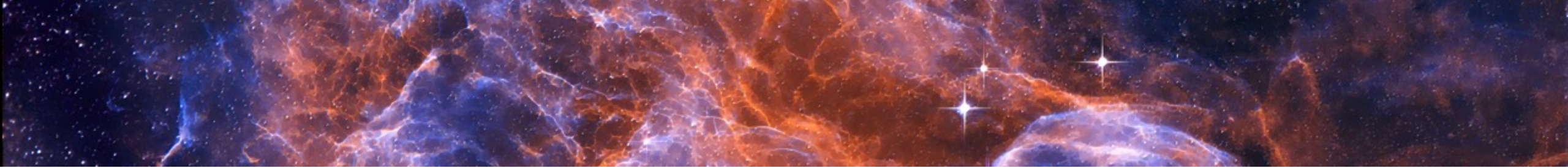


The Astronomy Café is Your backyard Observatory



Why Learn Astrophotography?

- Astro Techniques and Image Processing can improve your overall Photography and Image Processing
- Create unique images that go beyond just typical digital photographs – “The Universe comes to you”
- Process image data from NASA – e.g. Hubble, JUNO etc.
- Provides a new perspective on the earth, universe, and life



Astrophotography Focus Areas



Deep Space



Lunar



Solar



Planetary

Multiple Long Exposures

Video Process



Next Series of Videos

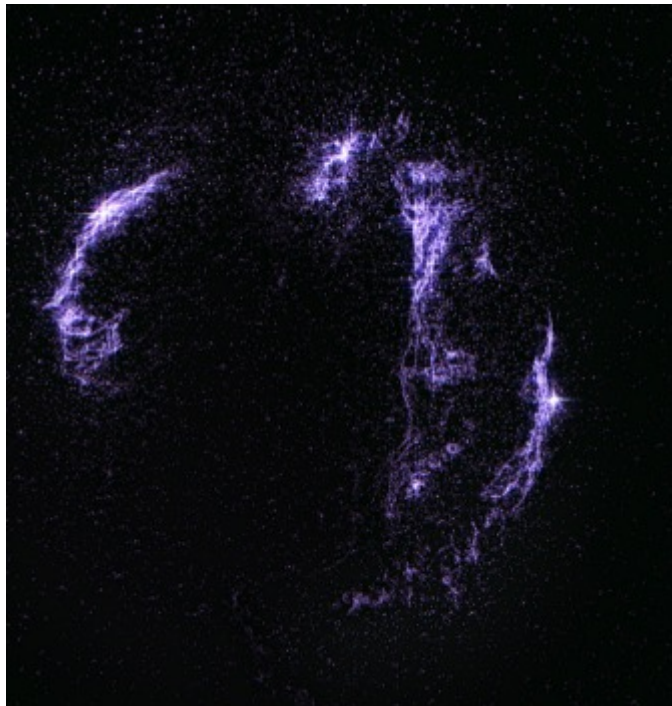
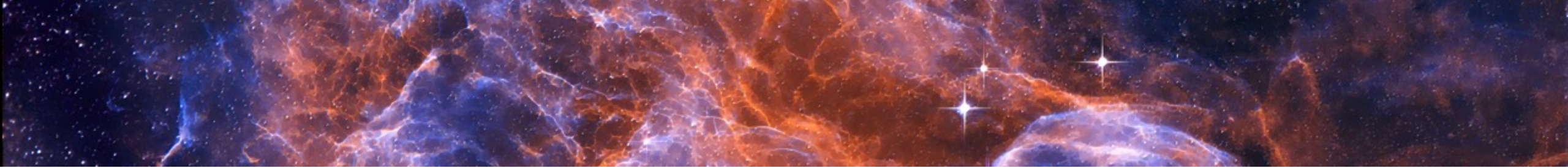


Image take with a Nikon mount 85mm f1.4 lens and astronomy camera

- Introduce simple concepts of Astrophotography by example
- Use the equipment and software in the AC Observatory – no need for any of your Astro gear
- Step-by-step process presentations and files will be available for each example via download
- Learn through Processing deep space objects
 - Follow along at any level and pace
 - Easy non-technical approach
 - All you need is Photoshop or equivalent software



Learn by Example projects in upcoming videos – start with Imaging

Watch and Learn – process at any level of detail; all files and instructions are provided



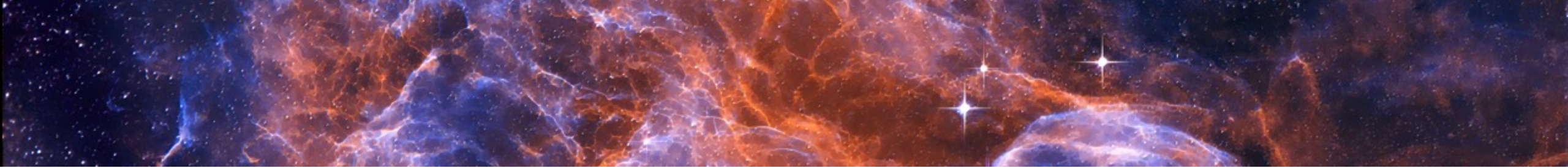
Eastern Veil Nebula



Pickering's Triangle

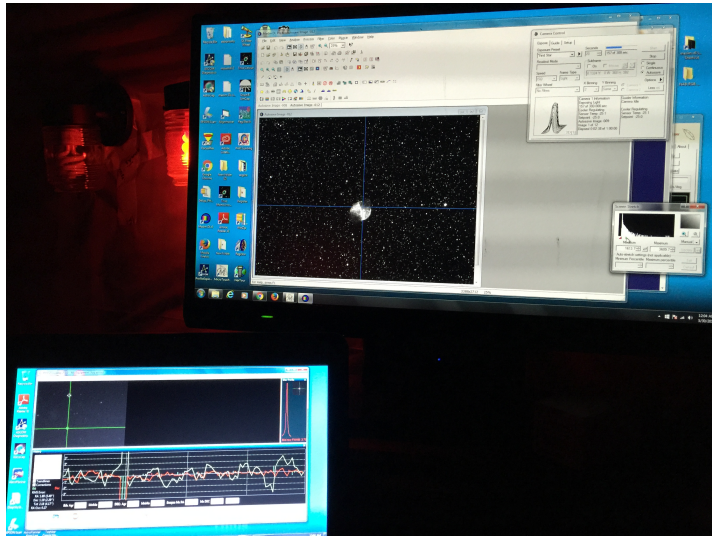


Western Veil Nebula



Observatory Basics – How the pieces fit together

Your Backyard Observatory – gain an understanding of all components



Control Computers

Computer 1

- Focus
- Image Capture
- Stacking

Computer 2

- Star Tracking
- Guiding

Control
commands



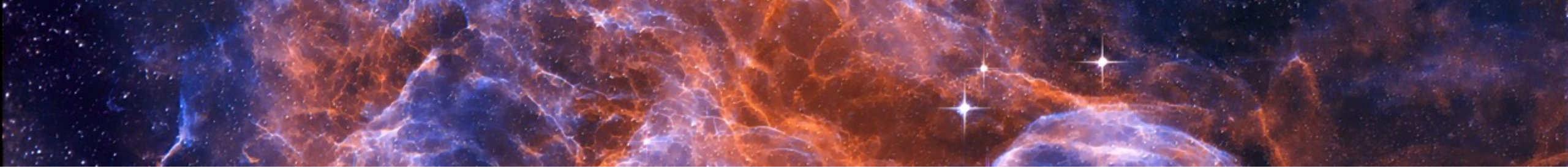
Imaging Equipment

- Equatorial Mount
- SC Telescope 14"
- Hyperstar f2.0
- Guide Scope
- Guide Camera
- Main Imaging Camera
- Remote Focusing Unit

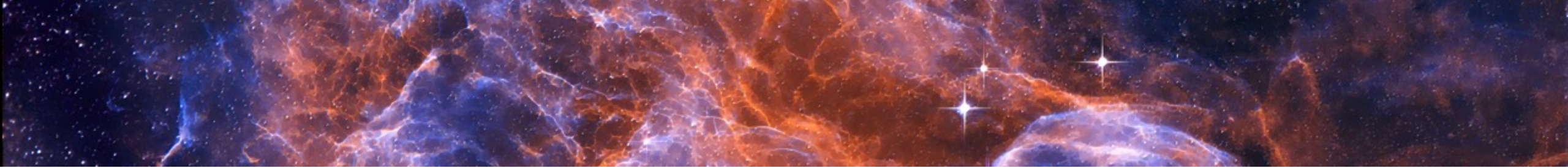


Other Imaging Equipment

- Solar Telescope
- 80mm refractor
- 102mm refractor
- Narrowband Filters



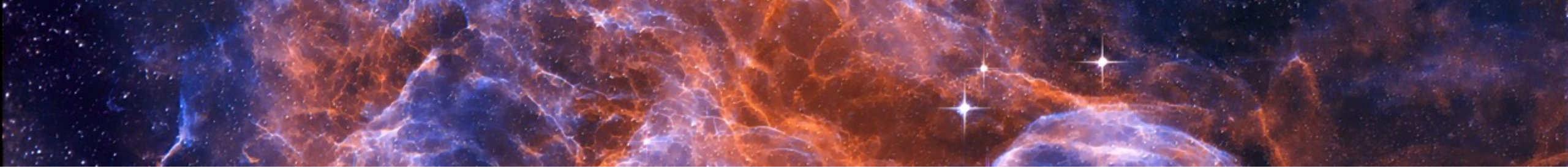
Let's take a tour of the Observatory



Great YouTube Reference Resources

More in-depth technical product reviews and tutorials

- Astrobackyard
https://www.youtube.com/channel/UCn3npsPixgoi_xLdCg9J-LQ
- Dylan O'Donnell Star Stuff
<https://www.youtube.com/user/erfmufn>
- Chuck's Astrophotography
<https://www.youtube.com/channel/UCCllh0nUmlREEvoskaq9b3A>



Thanks for Watching!

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