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### The Go Using Short Exposures

Astrophotography on the Go: Using Short Exposures with Light Mounts (The Patrick

Moore Practical Astronomy Series) 2015th

Edition. by Joseph Ashley (Author) 4.5 out

of 5 stars 17 ratings. ISBN-13:

978-3319098302.

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Amazon.com: Astrophotography on the Go: Using Short ...

Astrophotography on the Go Book Subtitle

Using Short Exposures with Light Mounts

Authors. Joseph Ashley; Series Title The

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Astrophotography on the Go - Using Short  
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Astrophotography on the Go: Using Short

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Exposures with Light Mounts 320. by Joseph Ashley. Paperback (2015) \$ 39.99. ... the effect of image rotation can be minimized to a point where it is undetectable in normal astrophotography, even for a deep-sky object such as a galaxy or nebula. All the processes, techniques, and equipment needed to use ...

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Joseph Ashley: Edition: illustrated:

Publisher: Springer, 2014: ISBN:...

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Ashley. No longer are heavy, sturdy,

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expensive mounts and tripods required to photograph deep space. With today's advances in technology, all that is required is an entry-DSLR and an entry level GoTo telescope. Here is all of the information needed to start photographing the night sky without buying expensive tracking mounts.

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Astrophotography on the Go: Using Short Exposures with Light Mounts The Patrick Moore Practical Astronomy Series: Autore: Joseph Ashley: Edizione: illustrata: Editore: Springer, 2014: ISBN: 3319098314, 9783319098319: Lunghezza: 320 pagine :

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What settings do you use for astrophotography? Use manual or bulb

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mode. Use a “ fast ” aperture of F/2.8 – F/4. Set your white balance setting to daylight or auto. Set your exposure length to 15-30-seconds. Shoot in RAW image format. Use Manual Focus. Use an ISO of 400-1600 (or more). Obviously, ...

## 7 Astrophotography Tips (And Camera

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Settings) To Put Into ... Exposures

Astrophotography on the Go: Using Short Exposures with Light Mounts (The Patrick Moore Practical Astronomy Series):

Amazon.co.uk: Ashley, Joseph:

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Astrophotography on the Go: Using Short

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### Exposures with Short Exposures

Astrophotography on the go : using short exposures with light mounts. [Joseph Ashley] -- No longer are heavy, sturdy, expensive mounts and tripods required to photograph deep space. With today's advances in technology, all that is required is an entry-DSLR and an entry level GoTo ...



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# Astrophotography On The Go Using Short Exposures

Astrophotography on the go : using short exposures with ...

Astrophotography with a telescope. The other way to go about astrophotography is to do it with a telescope. Some of the equipment will be the same as the above, but you will essentially be swapping out the

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camera lens and replacing it with the telescope — the telescope effectively is the lens.

The Ultimate Beginners Guide to  
Astrophotography (2020)

Astrophotography on the go. I travel and I  
camp quite a lot. And I love

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astrophotography. How can you mix these two? Some time ago, I was using a traditional German equatorial mount, a guidescope and a laptop for astrophotography. The mount was around 18 kilos, tripod included, the guidescope around 2 and the laptop added another 1.5 kg to the ...

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Astrophotography on the go - Alex Conu  
Photography

Use Longer Shutter Speeds. Many shooters use shutter speeds of 30 seconds and longer, but if you can leave your aperture wide open, you should already be able to get a good shot of the stars at 20 seconds. Set High ISO Levels. For deep-sky

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astrophotography, your ISO levels should generally be set high and support your other exposure settings.

What Camera Settings Should I Use for Astrophotography?

In astrophotography, the magnification and scale of your image will vary widely

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depending on the optical instrument used. Sometimes, you want to capture a massive area of the night sky such as the core of the Milky Way. Other times, we focus on small nebulae and galaxies for a closer look.

How to Focus Your Camera for  
Astrophotography | Easy-to ...

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Pixel 4 astrophotography tips and tricks.  
Google previously issued a few tips for best practices, and they definitely came in handy. These tips include firing a test shot in astrophotography mode ...

Google Pixel 4 astrophotography: How does it work and tips ...

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This is a type of astrophotography that uses a wide field of view, such as wide and super wide lenses. These images include night landscapes with the Milky Way in the background. Capturing star trails is also another great subject. This area is very accessible and the least technical.



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The Complete Guide to Astrophotography:  
89 Great Tips

Find many great new & used options and get  
the best deals for The Patrick Moore  
Practical Astronomy Ser.:

Astrophotography on the Go : Using Short  
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Ashley (2014, Trade Paperback) at the best

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No longer are heavy, sturdy, expensive mounts and tripods required to photograph deep space. With today's advances in technology, all that is required is an entry-DSLR and an entry level GoTo telescope.

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Here is all of the information needed to start photographing the night sky without buying expensive tracking mounts. By using multiple short exposures and combining them with mostly 'freeware' computer programs, the effect of image rotation can be minimized to a point where it is undetectable in normal astrophotography,

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even for a deep-sky object such as a galaxy or nebula. All the processes, techniques, and equipment needed to use inexpensive, lightweight altazimuth and equatorial mounts and very short exposures photography to image deep space objects are explained, step-by-step, in full detail, supported by clear, easy to understand

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graphics and photographs. Currently available lightweight mounts and tripods are identified and examined from an economic versus capability perspective to help users determine what camera, telescope, and mount is the best fit for them. A similar analysis is presented for entry-level telescopes and mounts sold as bundled

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packages by the telescope manufacturers.

This book lifts the veil of mystery from the creation of deep space photographs and makes astrophotography affordable and accessible to most amateur astronomers.

Author Joseph Ashley explains video astronomy's many benefits in this

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comprehensive reference guide for amateurs. Video astronomy offers a wonderful way to see objects in far greater detail than is possible through an eyepiece, and the ability to use the modern, entry-level video camera to image deep space objects is a wonderful development for urban astronomers in particular, as it helps



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sidestep the issue of light pollution. The author addresses both the positive attributes of these cameras for deep space imaging as well as the limitations, such as amp glow. The equipment needed for imaging as well as how it is configured is identified with hook-up diagrams and photographs. Imaging techniques are discussed together

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with image processing (stacking and image enhancement). Video astronomy has evolved to offer great results and great ease of use, and both novices and more experienced amateurs can use this book to find the set-up that works best for them. Flexible and portable, they open up a whole new way of seeing space.

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Author Joseph Ashley explains video astronomy's many benefits in this comprehensive reference guide for amateurs. Video astronomy offers a wonderful way to see objects in far greater detail than is possible through an eyepiece, and the ability to use the modern, entry-

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find the set-up that works best for them.  
Flexible and portable, they open up a whole new way of seeing space.

Here is a one-volume guide to just about everything computer-related for amateur astronomers! Today ' s amateur astronomy is inextricably linked to personal computers.

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Computer-controlled "go-to" telescopes are inexpensive. CCD and webcam imaging make intensive use of the technology for capturing and processing images.

Planetarium software provides information and an easy interface for telescopes. The Internet offers links to other astronomers, information, and software. The list goes on

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and on. Find out here how to choose the best planetarium program: are commercial versions really better than freeware? Learn how to optimise a go-to telescope, or connect it to a lap-top. Discover how to choose the best webcam and use it with your telescope. Create a mosaic of the Moon, or high-resolution images of the planets...



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Astronomy with a Home Computer is designed for every amateur astronomer who owns a home computer, whether it is running Microsoft Windows, Mac O/S or Linux. It doesn't matter what kind of telescope you own either - a small refractor is just as useful as a big "go-to" SCT for most of the projects in this book.

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### Astrophotography On The Go Using Short Exposures

Scientific Astrophotography is intended for those amateur astronomers who are looking for new challenges, once they have mastered visual observing and the basic imaging of various astronomical objects. It will also be a useful reference for scientifically inclined observers who want to learn the

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fundamentals of astrophotography with a firm emphasis on the discipline of scientific imaging. This book is not about making beautiful astronomical images; it is about recording astronomical images that are scientifically rigorous and from which accurate data can be extracted. This book is unique in that it gives readers the skills

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necessary for obtaining excellent images for scientific purposes in a concise and procedurally oriented manner. This not only gets the reader used to a disciplined approach to imaging to maximize quality, but also to maximize the success (and minimize the frustration!) inherent in the pursuit of astrophotography. The

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knowledge and skills imparted to the reader of this handbook also provide an excellent basis for “ beautiful picture ”

astrophotography! There is a wealth of information in this book – a distillation of ideas and data presented by a diverse set of sources and based on the most recent techniques, equipment, and data available to

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the amateur astronomer. There are also numerous practical exercises. Scientific Astrophotography is perfect for any amateur astronomer who wants to go beyond just astrophotography and actually contribute to the science of astronomy.

The Astrophotography Manual, Second

*Page 54/74*

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Edition is for photographers ready to move beyond standard SLR cameras and editing software to create beautiful images of nebulas, galaxies, clusters, and the stars. Beginning with a brief astronomy primer, this book takes readers through the full astrophotography process, from choosing and using equipment to image capture,

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calibration, and processing. This combination of technical background and hands-on approach brings the science down to earth, with practical methods to ensure success. This second edition now includes: Over 170 pages of new content within 22 new chapters, with 600 full-color illustrations. Covers a wide range of



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hardware, including mobile devices, remote control and new technologies. Further insights into leading software, including automation, Sequence Generator Pro and PixInsight Ground-breaking practical chapters on hardware and software as well as alternative astrophotography pursuits

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Digital SLR cameras have made it easier than ever before to photograph the night sky.

Whether you're a beginner, nature photographer, or serious astronomer, this is the definitive handbook to capturing the heavens. Starting with simple projects for beginners such as cameras on tripods, it then moves onto more advanced projects

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including telescope photography and methods of astronomical research. With 80% revised and updated material, this new edition covers nightscapes, eclipses, using cameras with sky trackers and telescopes, and tools for identifying celestial objects and investigating them scientifically. Image processing is discussed in detail, with

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worked examples from three popular software packages - Nebulosity, MaxIm DL, and PixInsight. Rather than taking a recipe-book approach, Covington explains how your equipment works as well as offering advice on many practical considerations, such as choice of set-up and the testing of lenses, making this a comprehensive guide

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for anyone involved in astrophotography.

### With Light Mounts

See the full beauty of our night sky revealed as never before in over 200 photographs from around the world. Bringing together the images of over 40 photographers across 25 countries, be astounded by the lights of the night sky in some of the darkest places

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on earth; discover the beauty of galaxies, planets, and stars; view great celestial events; and see some of the world ' s most important landmarks against the backdrop of an incredible nightscape. Babak Tafreshi, founder of the international organization The World at Night, has curated the images in this collection—many of them previously

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unseen—to reveal the true splendor of the sky at night. A specialist guide to night-sky photography will help you capture your own gorgeous images of the heavens.

Commentary on the science, astronomy, and photography accompany stunning images organized by theme: Symbols of all nations and religions embraced by one sky

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of endless beauties UNESCO World Heritage Sites at night The Universe revealed through constellations, sky motions, atmospheric phenomenon, Aurora, and other wonders Images highlighting the beauty of dark skies away from light-polluted urban areas Celestial events, from great comets to spectacular eclipses Astro-



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tourism destinations, like ancient astronomical monuments and modern observatories

This astronomy travel guide examines the many wonderful opportunities for experiencing the observing hobby. Amateur astronomy is often consigned to observing

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from home or from a local park, yet it can be much more. Tim Treadwell explores all the possibilities of astronomical and space-related activities that are available on day trips and longer vacations. These activities range from observatory visits and other simple ways to build an astronomy event into a holiday, to full blown specialized

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astronomy travel. Many trips give the opportunity to visit some of the world ' s famous attractions. On most vacations it can be a matter of just taking a day (or night) out of your schedule to fit in an astronomy event, but larger, dedicated pilgrimages are also possible. How to make the most of astronomy potential on a holiday, whether

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observing on the beach in Hawaii with the Telescope Guy or visiting Star City in Russia, is covered in detail. Go to a star party, explore the national parks or see the northern lights! There are a wide variety of activities for all budgets described in this book.

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Here are clear explanations of how to make superb astronomical deep-sky images using only a DSLR or webcam and an astronomical telescope – no expensive dedicated CCD cameras needed! The book is written for amateur astronomers interested in budget astrophotography – the deep sky, not just the Moon and planets – and

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for those who want to improve their imaging skills using DSLR and webcams. It is even possible to use existing (non-specialist astronomical) equipment for scientific applications such as high resolution planetary and lunar photography, astrometry, photometry, and spectroscopy. The introduction of the CCD

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revolutionized astrophotography. The

availability of this technology to the amateur astronomy community has allowed

advanced science and imaging techniques to become available to almost anyone willing to take the time to learn a few, simple

techniques. Specialized cooled-chip CCD imagers are capable of superb results in the

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right hands — but they are all very expensive. If budget is important, the reader is advised on using a standard camera instead. Jensen provides techniques useful in acquiring beautiful high-quality images and high level scientific data in one accessible and easy-to-read book. It introduces techniques that will allow the reader to use



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more economical DSLR cameras – that are of course also used for day-to-day photography – to produce images and data of high quality, without a large cash investment.

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