

Online Library Binocular  
Highlights 99 Celestial Sights  
For Binocular Users Sky  
Telescope Stargazing  
Binocular Highlights 99  
Celestial Sights For  
Binocular Users Sky  
Telescope Stargazing

*An introduction to astronomy*

# Online Library Binocular Highlights 99 Celestial Sights

For Binocular Users Sky  
Telescope Stargazing

*for every night of the year.  
How do I get started in  
astronomy? Should I buy  
binoculars or a telescope?  
What can I expect to see?  
This wonderful beginners'  
guide to astronomy covers  
all the information you need*

# Online Library Binocular Highlights 99 Celestial Sights

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*to get started. This second edition has been fully updated and now includes new illustrations, the latest astronomy equipment and celestial events through to the year 2025. It starts by explaining the basic*

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For Binocular Users Sky  
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*techniques and equipment you need for exploring the skies before taking you on a tour of the night sky, covering the Moon, Sun, stars, planets and more. Any necessary technical terms are clearly explained. The*

# Online Library Binocular Highlights 99 Celestial Sights

*For Binocular Users Sky  
Telescope Stargazing*  
author gives sound advice on  
using and purchasing  
affordable binoculars,  
telescopes and accessories,  
and the book is illustrated  
with photos taken by the  
author, showing how objects  
in the sky actually look

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For Binocular Users Sky  
Telescope Stargazing  
through modest amateur  
equipment. It contains a  
comprehensive glossary and  
references to further  
astronomy resources and  
websites.

*The International  
Astronomical Union (IAU) was*

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*founded in 1919, in the wake  
of the First World War,  
together with its sister  
Unions in related natural  
sciences. It will thus turn  
100 years in 2019. Written  
by a mixed team of insiders  
and outsiders, this book*

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*presents the IAU in the  
changing context of the  
historical, scientific and  
technological development of  
astronomy during the past  
100 years. While much  
important scientific  
progress took place already*



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*before 1945, the book naturally focuses on the accelerating evolution during the second half of the century. In the past few decades, the previously narrow IAU focus on organising professional*

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*astronomy has broadened to  
include societally relevant  
activities such as  
addressing the hazard of  
asteroid impacts, the  
planetary status of Pluto in  
the Solar System, and the  
hugely successful*

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*International Year of  
Astronomy. Most recently, it  
is spearheading a  
combination of science  
literacy and public  
outreach. The book will be  
of interest to professional  
astronomers as well as an*

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*astronomically interested  
general audience. The book  
features live personal  
interviews with as many of  
the key actors as still  
possible.*

*Have you ever seen a comet?  
It is a marvelous*

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Telescope Stargazing

*experience, one that all  
humans can share, that  
spawns a deep yearning to  
understand the spectacle.  
Have you ever wondered what  
comets are and why  
astronomers spend so much  
time studying them? Now, a*

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*comet expert and an  
astronomical historian have  
come together to produce the  
unique book that you now  
hold in your hands. Using  
their several decades of  
teaching experience, the  
authors have concisely*

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For Binocular Users Sky  
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*presented the information  
you need to comprehend these  
majestic apparitions that  
grace our night skies. No  
mathematical proficiency is  
needed, in fact, this book  
doesn't contain a single  
equation! Comets are cosmic*

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*Rosetta stones, bridging our current knowledge by digging back to the earliest days of our Solar Systems. How did life arise on Earth? Did comets play a significant role in bringing water and the necessary organic matter*



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*to our early Earth? How  
about the dinosaurs? Were  
they driven to extinction by  
a cometary impact 66 million  
years ago? Comets may be  
both the enablers and  
destroyers of life on Earth  
as we know it. These are*

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*some of the tantalizing  
questions discussed here. If  
you so desire, steps are  
given to join the ranks of  
amateur comet hunters.*

*Astronomy is one of the last  
sciences where amateurs play  
a significant role. Your*

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*reward for discovery? A  
comet officially bearing  
your name in the history  
books! The next Great Comet  
is on its way, we just do  
not know when it will  
arrive. Armed with this  
book, you will be ready to*

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*enjoy this unforgettable  
event.*

*Stephen James O'Meara's  
Observing the Night Sky with  
Binoculars*

*Binocular Stargazing*

*Discover the Moon*

*Atlas of the Messier Objects*

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*Observational Astrophysics  
A User's Guide*

*Discover the Night Sky  
Through Binoculars*

Celestial Delights is  
essentially a 'TV Guide' for  
teh sky. This will be its third

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edition. This title, which has  
aggregated sales of about  
20,000 copies to date in its  
two previous editions and  
has found a niche with  
skygazers, is much awaited.  
Through extensive graphics

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integrated with an eight-year-long calendar of sky events, it provides a look at "don't miss" sky events, mostly for naked-eye and binocular observing. The book is organized by ease of

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observation - lunar phases  
and the brighter planets  
come first, while solar  
eclipses, the aurora, and  
comets come later. Celestial  
Delights also includes a hefty  
dose of sky lore,



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astronomical history, and  
clear overviews of current  
science. It provides a handy  
reference to upcoming  
naked-eye events, with  
information broken out in  
clear and simple diagrams

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and tables that are cross-referenced against a detailed almanac for each year covered. Most broad-ranging astronomy field guides focus on stars, constellations, and the deep sky, but tend to

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ignore planetary events,  
which are in by far the most  
widely observable aspects of  
the changing night sky.  
Celestial Delights puts a  
variety of information all in  
one place, presents it in a

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friendly way that does not  
require prior in-depth  
astronomical knowledge, but  
provides the context and  
historical background for  
understanding events that  
astronomical computer

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programs or web sites lack.  
For the last twenty years  
astronomy has been  
developing dramatically.  
Until the nineteen-fifties,  
telescopes, spectrometers,  
and photographic plates

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constituted a relatively simple set of tools which had been refined to a high degree of perfection by the joint efforts of physicists and astronomers. Indeed these tools helped at the birth of

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modern astrophysics: the discovery of the expansion of the Universe. Then came radioastronomy and the advent of electronics; the last thirty years have seen the application to

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astrophysics of a wealth of  
new experimental  
techniques, based on the  
most advanced fields of  
physics, and a constant  
interchange of ideas  
between physicists and



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astronomers. Last, but not least, modern computers have sharply reduced the burden of dealing with the information painfully extracted from the skies, whether from ever scarce

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photons, or from the gigantic data flows provided by satellites and large telescopes. The aim of this book is not to give an extensive overview of all the techniques currently in use

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in astronomy, nor to provide detailed instructions for preparing or carrying out an astronomical project. Its purpose is methodological: photons are still the main carriers of information

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between celestial sources and the observer. How we are to collect, sample, measure, and store this information is the unifying theme of the book. Rather than the diversity of techniques

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appropriate for each  
wavelength range, we  
emphasize the physical and  
mathematical bases which  
are common to all  
wavelength regimes.

From the authors of "How to

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Telescope Stargazing  
Find the Apollo Landing  
Sites," this is a guide to  
connecting the view above  
with the history of recent  
scientific discoveries from  
the Hubble Space Telescope.  
Each selected HST photo is

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shown with a sky map and a photograph or drawing to illustrate where to find it and how it should appear from a backyard telescope. Here is the casual observer's chance to locate the deep space

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objects visually, and appreciate the historic Hubble photos in comparison to what is visible from a backyard telescope. HST objects of all types are addressed, from Messier



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objects, Caldwell objects,  
and NGC objects, and are  
arranged in terms of what  
can be seen during the  
seasons. Additionally, the  
reader is given an historical  
perspective on the work of

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Edwin Hubble, while locating and viewing the deep space objects that changed astronomy forever.

Countless people have seen the amazing photographs taken by the Hubble Space

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Telescope. But how many  
people can actually point out  
where in the sky those  
objects are? Why were these  
objects chosen to be  
studied? What discoveries  
were made from the Hubble

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Space Telescope  
photographs? This book is  
for anyone who wants  
answers to these questions.  
Binocular Highlights is a tour  
of 96 different celestial  
sights ? from softly glowing

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clouds of gas and dust to  
unusual stars, clumps of  
stars, and vast star cities  
(galaxies) ? all visible in  
binoculars. Each object is  
plotted on a detailed, easy-to-  
use star map, and most of

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these sights can be found even in a light-polluted sky. Also included are four seasonal all-sky charts that help locate each highlight. You don't need fancy or expensive equipment to

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enjoy the wonders of the night sky. In fact, as even experienced star gazers know, to go beyond the naked-eye sky and delve deep into the universe, all you need are binoculars ?

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For Binocular Users Sky Telescope Stargazing

even the ones hanging unused in your closet. If you don't own any, Binocular Highlights explains what to look for when choosing binoculars for star gazing and provides observing tips



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For Binocular Users Sky  
Telescope Stargazing  
for users of these portable  
and versatile mini-  
telescopes. Spiral-bound  
with readable paper spine,  
full color throughout.

A Stargazing Program for  
Beginners

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For Binocular Users Sky  
Telescope Stargazing  
Celestial Delights  
An Amateur's Guide to  
Observing and Imaging the  
Heavens  
Uniting the Community for  
100 Years  
A Systematic Guide to

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Binocular Astronomy

The International  
Astronomical Union  
The Secret World of  
Stargazing

Completely revised and updated, this  
new edition provides a readable,

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For Binocular Users Sky  
Telescope Stargazing

beautifully illustrated journey through world cultures and the vibrant array of sky mythology, creation stories, models of the universe, temples and skyscrapers that each culture has created to celebrate and respond to the power of the night sky. Sections on the

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For Binocular Users Sky  
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archaeoastronomy of South Asia and South East Asia have been expanded, with original photography and new research on temple alignments in Southern India, and new material describing the astronomical practices of Indonesia, Malaysia and other Southeast Asian countries.

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Beautiful photographs of temples in India and Asia have been added, as well as new diagrams explaining the alignment of these structures and the astronomical underpinnings of temples within the Pallava and Chola cultures. From new fieldwork in the Four Corners region of North

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America, Dr. Penprase has included accounts of Pueblo skywatching and photographs of ceremonial kivas that help elucidate the rich astronomical knowledge of the Pueblo people. The popular “Archaeoastronomy of Skyscrapers” section of the book has been updated as well, with new

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interpretations of skyscrapers in  
Indonesia, Taiwan and China. With  
the rapid pace of discovery in  
astronomy and astrophysics, entirely  
new perspectives are emerging  
about dark matter, inflation and the  
future of the universe. The Power of  
Stars puts these discoveries in



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context and describes how they fit into the modern perspective of cosmology, which has arisen from the universal human response to the sky that has inspired both ancient and modern cultures.

Written for the amateur astronomer who wants to discover more in the

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night sky, this book explores the constellations and reveals many of the highlights visible with just your eyes or binoculars. The highlights include: \* The myths and legends associated with the stars \* Bright stars and multiple stars \* Star clusters \* Nebulae \* Galaxies Each

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Telescope Stargazing  
constellation has its own star chart and almost all are accompanied by graphics depicting the highlights and binocular views of the best objects. Whether you're new to astronomy or are an experienced stargazer simply looking to learn more about the constellations, this book is an

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invaluable guide to the night sky and the stars to be found there. Praise for other books by Richard J. Bartlett: "Would recommend, nicely laid out and easy to follow sky guide. Sensible and clear advice. I have a small scope and this books helped me enjoy it much more." by Dan M.,

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on January 30, 2016 reviewing "Easy Things to See With a Small Telescope" "This is my third book from Mr. Bartlett and this one is as good as the others. I recommend it to all the beginners in my astronomy club." By Darren C. Bly on August 15, 2015 reviewing "2016: The Night Sky

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Sights" "Lots of wonderful information. A great reference guide and easy to follow. Every star gazer should have one with them" - By janine on November 18, 2015 reviewing "2015 An Astronomical Year" "This is a superb book, well laid out and easy to follow even if

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Telescope Stargazing  
you are a complete novice or keen astronomer." by mr Fletcher on October 26, 2014 reviewing "The Astronomical Almanac, 2015-2019" Careers in astronomy for women (as in other sciences) were a rarity in Britain and Ireland until well into the twentieth century. The book

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investigates the place of women in astronomy before that era, recounted in the form of biographies of about 25 women born between 1650 and 1900 who in varying capacities contributed to its progress during the eighteenth, nineteenth and early twentieth centuries. There are some



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famous names among them whose biographies have been written before now, there are others who have received less than their due recognition while many more occupied inconspicuous and sometimes thankless places as assistants to male family members.

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All deserve to be remembered as interesting individuals in an earlier opportunity-poor age. Placed in roughly chronological order, their lives constitute a sample thread in the story of female entry into the male world of science. The book is aimed at astronomers, amateur

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astronomers, historians of science,  
and promoters of women in science,  
but being written in non-technical  
language it is intended to be of  
interest also to educated readers  
generally.

Have you always wanted to explore  
the Moon like Neil Armstrong or the

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eleven other astronauts who have walked on its surface? You can tour the Moon from your own backyard with a small telescope or binoculars. This book will point you to the Sea of Tranquility (the landing spot for Apollo 11) and many other fascinating features you can spot on

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the Moon's surface. Beginning with the New Moon, as each day passes, an additional slice of the Moon becomes visible. With each new slice comes new craters, lunar seas and jagged mountain ranges. This easy-to-use, illustrated reference book enables everyone, young and old, to

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better appreciate our nearest  
neighbour in space.

The Power of Stars

A Personal Guide to Experiencing the  
Next Great Comet!

Binoculars, Spotting Scope &  
Riflescopes

Stars and Satellites

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For Binocular Users Sky  
Telescope Stargazing  
Women in Early British and Irish  
Astronomy

Unveiling Galaxies

The Backyard Astronomer's Guide

*Before the Internet became  
widely known as a global tool  
for terrorists, one perceptive*

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*U.S. citizen recognized its ominous potential. Armed with clear evidence of computer espionage, he began a highly personal quest to expose a hidden network of spies that threatened national security.*



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*For Binocular Users Sky  
Telescope Stargazing*

*But would the authorities back him up? Cliff Stoll's dramatic firsthand account is "a computer-age detective story, instantly fascinating [and] astonishingly gripping" (Smithsonian). Cliff Stoll was*

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*an astronomer turned systems manager at Lawrence Berkeley Lab when a 75-cent accounting error alerted him to the presence of an unauthorized user on his system. The hacker's code*

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*name was "Hunter"—a mysterious invader who managed to break into U.S. computer systems and steal sensitive military and security information. Stoll began a one-man hunt of his own: spying on*

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*the spy. It was a dangerous  
game of deception, broken  
codes, satellites, and missile  
bases—a one-man sting  
operation that finally gained  
the attention of the CIA . . .  
and ultimately trapped an*

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*For Binocular Users Sky  
Telescope Stargazing*  
*international spy ring fueled  
by cash, cocaine, and the KGB.  
Perfect for experienced  
observers and beginners alike,  
this second edition of Sky &  
Telescope's Pocket Sky Atlas  
will quickly have you exploring*

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*For Binocular Users Sky  
Telescope Stargazing*  
*the heavens with depth and  
mastery.*

*This book provides a valuable  
learning tool to facilitate  
identifying patterns and stars  
in the sky. Suitable for  
observers using binoculars and*

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*For Binocular Users Sky  
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*medium size telescopes, this  
catalog includes star pictures,  
dot-to-dot outlines of the  
objects (on a negative  
photograph for clarity), and an  
artistic image next to the star  
patterns. Size, stellar*

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*magnitudes, and coordinates  
are provided, along with north  
direction, star-hopping  
instructions and Sky Atlas  
2000 references. With the help  
of this book, the imaginative  
observer will soon begin to*



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*develop a new insight into star  
patterns, and will start seeing  
patterns of their own.*

*Table of contents*

*Sport Optics*

*The Role of Images in  
Astronomical Discovery*

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Binoculars*  
*Highlights of the Deep Sky*  
*Double Stars for Small  
Telescopes*  
*The Brightest Stars*  
*A first-time stargazer's guide*

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Sport Optics is a helpful guide for purchasers of binoculars, riflescopes, and spotting scopes for use in hunting, bird watching, astronomy, nature viewing, and other hobbies. The book helps one make the correct purchasing

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decision after considering the various optical parameters with the intended use for the product. The author has been in the optical industry for over 50 years selling and designing optical instruments and intimately knows

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optics.

Telescope Stargazing  
The aim of this book is to demonstrate to a wider audience, as well as to a more skilled audience, the many fascinating aspects of modern celestial mechanics. It sets out to

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do this without the use of mathematics. After giving the reader the technical tools needed for a basic understanding of the underlying physical phenomena (using only elementary mathematics), facts

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and figures are provided on historical events, modern discoveries and future applications. Contents are divided into major topics where the three "souls" of modern celestial mechanics (dynamical

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For Binocular Users Sky  
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systems, Solar System and  
stellar systems, spaceflight  
dynamics) play a major role.

Includes a link to freely  
downloadable higher resolution  
colour charts that you may print  
out or display on your tablet or



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other device. For many decades, the advice given to beginning amateur astronomers has been "start with binoculars" but, beyond that, there has not been any specific advice on how to go about it. Stephen Tonkin shows

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you why this advice is appropriate, and takes you on a year-long journey through the night sky visible from northern temperate latitudes. At the end of this journey, you will have a sound basic knowledge of the

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sky and will have gathered useful snippets of astronomical information and whimsy along the way. Although the book is intended to be used with a decent star atlas (the star charts in the book are size-limited by

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the page size), readers have the option of downloading a full set of higher resolution colour charts to print out or for use on a tablet or smartphone. Reader comments: "I find this book a true pleasure to read

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"Fred Schaaf is one of the most experienced astronomical observers of our time. For more than two decades, his view of the sky-what will be visible, when it will be visible, and what it will look like-has encouraged tens of

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thousands of people to turn their eyes skyward." —David H. Levy, Science Editor, Parade magazine, discoverer of twenty-one comets, and author of *Starry Night and Cosmic Discoveries*

"Fred Schaaf is a poet of the

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stars. He brings the sky into people's lives in a way that is compelling and his descriptions have all the impact of witnessing the stars on a crystal-clear dark night." —William Sheehan, coauthor of *Mars: The Lure of*

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the Red Planet and The Transits  
of Venus In this book, you ' ll meet  
the twenty-one brightest stars  
visible from Earth. You ' ll learn  
how to find these stars and  
discover the best ways to see  
them. Each star is profiled in a



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For Binocular Users, Sky  
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separate chapter, with detailed guidance on what to look for while observing it. Suitable for beginners as well as experienced amateur astronomers, the book shares fascinating information about the

# Online Library Binocular Highlights 99 Celestial Sights

lore and legends connected with each star through history, as well as what the science of astronomy has to teach us about the star ' s physical nature.

The Easy Guide to the Night Sky  
365 Starry Nights

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For Binocular Users Sky  
Telescope Stargazing

Binocular Astronomy

50 Things to See on the Moon

A Complete Astronomer's  
Guidebook

The Supernova Story

Binocular Highlights

**This catalog of double stars is**

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For Binocular Users Sky  
Telescope Stargazing  
**among the most  
comprehensive ever printed.  
With over 2,100 star pairings  
listed with coordinates, color,  
and interesting information  
about every pair, Double Stars  
for Small Telescopes is an**

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**For Binocular Users Sky  
Telescope Stargazing**  
**essential addition to the  
library of every astronomy  
enthusiast. 248 pages, 8 1/2 x  
11 inches, softcover.**

**Discover Beautiful Nebulas,  
Constellations, Deep Sky  
Objects and More with Your**

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For Binocular Users Sky  
Telescope Stargazing  
**Telescope David Dickinson, co-  
author of The Universe Today  
Ultimate Guide to Viewing the  
Cosmos, has created the  
ultimate field guide for  
backyard astronomers.**

**Whether you want to impress**

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For Binocular Users Sky  
Telescope Stargazing  
**viewers at a star party, or learn  
what you can see with your  
new telescope, David shows  
you how to find the most  
impressive views the night sky  
has to offer. Broken down by  
month and by hemisphere to**

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For Binocular Users Sky  
Telescope Stargazing

**ensure you get the best possible view, David shows you how to find objects like spiral galaxies, stunning sights in the Milky Way and stars that bring the “wow factor” to astronomy. With 44**



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For Binocular Users Sky  
Telescope Stargazing

**sky charts and David's expertise, it's like having a pro-astronomer out in the field with you.**

**This book tells two stories. The first and most obvious is why the star known as Sirius**

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Telescope Stargazing

**has been regarded as an important fixture of the night sky by many civilizations and cultures since the beginnings of history. A second, but related, narrative is the prominent part that Sirius has**

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For Binocular Users Sky  
Telescope Stargazing

**played in how we came to  
achieve our current scientific  
understanding of the nature  
and fate of the stars. This is  
the first book to integrate the  
cultural history of Sirius with  
modern astrophysics in a way**

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Telescope Stargazing  
**which provides a realistic view  
of how science progresses  
over time.**

**A guide to viewing stars, the  
moon, planets, meteors,  
comets, and aurora through  
binoculars. Features a**

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For Binocular Users Sky  
Telescope Stargazing

**foreword by renowned astronomer and writer David Levy. Includes a complete guide to current binocular brands and models and explains what to look for in each season.**

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For Binocular Users Sky  
Telescope Stargazing  
**99 Celestial Sights for  
Binocular Users**

**Find solace in the stars**

**A Walk through the Heavens**

**Sky & Telescope's Pocket Sky  
Atlas**

**Brightest Diamond in the Night**

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For Binocular Users Sky  
Telescope Stargazing

**Sky**

**Getting Started in Recreational  
Astronomy  
Celestial Mechanics**

*Welcome to the first comprehensive  
guide to one of the world's most  
popular telescopes: the ShortTube 80*

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*For Binocular Users Sky  
Telescope Stargazing*

*refractor. With its ultra-portability, versatility, and relatively low cost, this telescope continues to delight generations of stargazers. Starting in the field under a dark sky, the author walks the reader through a typical evening of stargazing, where the ShortTube 80 brings many*



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For Binocular Users Sky  
Telescope Stargazing

*astronomical treasures into focus.*

*From there, he provides an in-depth account of the optical properties of the ShortTube 80 refractor and the accessories and mounting arrangements that maximize its potential both as a spotting 'scope by day and an astronomical 'scope by*

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*For Binocular Users Sky  
Telescope Stargazing*

*night. The main text discusses how the versatile ShortTube 80 can be used to study deep sky objects, the Sun, the Moon, bright planets and even high-resolution projects, where the instrument's features can be optimized for the observation of tight double and multiple stars. It explores how the*

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For Binocular Users Sky  
Telescope Stargazing

*ShortTube 80 can image targets using camera phones, DSLRs and dedicated astronomical CCD imagers. Packed with practical advice gained from years of firsthand stargazing experience, this book demonstrates exactly why ShortTube 80 has remained a firm favorite among amateur astronomers*

# Online Library Binocular Highlights 99 Celestial Sights For Binocular Users Sky Telescope Stargazing

*for over three decades, and why it is likely to remain popular for many years to come.*

*What star is that? Where is the Great Bear? A Walk through the Heavens is a beautiful and easy-to-use guide to the constellations of the northern hemisphere. By following the unique*

## Online Library Binocular Highlights 99 Celestial Sights

*For Binocular Users Sky  
Telescope Stargazing*

*simplified maps, readers will be able to easily find and identify the constellations and the stars within them. Ancient myths and legends of the sky are retold, adding to the mystery of the stars. Written for the complete beginner, this practical guide introduces the patterns of the starry*

## Online Library Binocular Highlights 99 Celestial Sights

*For Binocular Users Sky  
Telescope Stargazing*

*skies in a memorable way. No  
equipment is needed, apart from  
normal sight and clear skies.*

*A thought provoking study of the  
powerful impact of images in guiding  
astronomers' understanding of  
galaxies through time.*

*The touchstone for contemporary*

# Online Library Binocular Highlights 99 Celestial Sights For Binocular Users Sky Telescope Stargazing

*stargazers. This classic, groundbreaking guide has been the go-to field guide for both beginning and experienced amateur astronomers for nearly 30 years. The fourth edition brings Terence Dickinson and Alan Dyer's invaluable manual completely up-to-date. Setting a new standard for*

## Online Library Binocular Highlights 99 Celestial Sights

*For Binocular Users Sky  
Telescope Stargazing*

*astronomy guides, it will serve as the touchstone for the next generation of stargazers as well as longtime devotees. Technology and astronomical understanding are evolving at a breathtaking clip, and to reflect the latest information about observing techniques and equipment,*



## Online Library Binocular Highlights 99 Celestial Sights

*For Binocular Users Sky  
Telescope Stargazing*

*this massively revised and expanded edition has been completely rebuilt (an additional 48 pages brings the page count to 416). Illustrated throughout with all-new photographs and star charts, this edition boasts a refreshed design and features five brand-new chapters, including three essential*

# Online Library Binocular Highlights 99 Celestial Sights

*For Binocular Users Sky  
Telescope Stargazing*

*essays on binocular, telescope and  
Moon tours by renowned astronomy  
writer Ken Hewitt-White. With new  
content on naked-eye sky sights, LED  
lighting technology, WiFi-enabled  
telescopes and the latest advances in  
binoculars, telescopes and other  
astronomical gear, the fourth edition of*

## Online Library Binocular Highlights 99 Celestial Sights

*The Backyard Astronomer's Guide is sure to become an indispensable*

*reference for all levels of stargazers.*

*New techniques for observing the Sun, the Moon and solar and lunar eclipses are an especially timely addition, given the upcoming solar eclipses in 2023 and 2024. Rounding out these*

## Online Library Binocular Highlights 99 Celestial Sights

*For Binocular Users Sky  
Telescope Stargazing*

*impressive offerings are new sections on dark sky reserves, astro-tourism, modern astrophotography and cellphone astrophotography, making this book an enduring must-have guide for anyone looking to improve his or her astronomical viewing experience.*

*The Backyard Astronomer's Guide*

# Online Library Binocular Highlights 99 Celestial Sights

*For Binocular Users Sky  
Telescope Stargazing*

*also features a foreword by Dr. Sara Seager, a Canadian-American astrophysicist and planetary scientist at the Massachusetts Institute of Technology and an internationally recognized expert in the search for exoplanets.*

*Pattern Asterisms*

Online Library Binocular  
Highlights 99 Celestial Sights

*The Best Astronomical Events  
Through 2020*

*The ShortTube 80 Telescope*

*The Monthly Sky Guide*

*The Waltz of the Planets*

*Discovering the Constellations with  
Your Eyes and Binoculars*

*A Pocket Field Guide*

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For Binocular Users Sky  
Telescope Stargazing  
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Sights for Binocular Users Sky

Publishing Corporation

An Amateur's Guide to Observing  
and Imaging the Heavens is a  
highly comprehensive guidebook  
that bridges the gap between the

## Online Library Binocular Highlights 99 Celestial Sights

For Binocular Users, Sky  
Telescope Stargazing

beginners' and hobbyists' books and the many specialised and subject-specific texts for more advanced amateur astronomers. Written by an experienced astronomer and educator, the book is a one-stop reference



## Online Library Binocular Highlights 99 Celestial Sights

For Binocular Users Sky  
Telescope Stargazing  
providing extensive information  
and advice about observing and  
imaging equipment, with detailed  
examples showing how best to use  
them. In addition to providing in-  
depth knowledge about every  
type of astronomical telescope and

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For Binocular Users Sky  
Telescope Stargazing

highlighting their strengths and weaknesses, two chapters offer advice on making visual observations of the Sun, Moon, planets, stars and galaxies. All types of modern astronomical imaging are covered, with step-by-

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For Binocular Users Sky  
Telescope Stargazing

step details given on the use of DSLRs and web-cams for solar, lunar and planetary imaging and the use of DSLRs and cooled CCD cameras for deep sky imaging. The ninth edition of Ian Ridpath and Wil Tirion's famous guide to

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For Binocular Users Sky  
Telescope Stargazing

the night sky is updated with planet positions and forthcoming eclipses to the end of the year 2017. It contains twelve chapters describing the main sights visible in each month of the year, providing an easy-to-use

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For Binocular Users Sky  
Telescope Stargazing

companion for anyone wanting to identify prominent stars, constellations, star clusters, nebulae and galaxies; to watch out for meteor showers ('shooting stars'); or to follow the movements of the four brightest planets,

# Online Library Binocular Highlights 99 Celestial Sights

For Binocular Users Sky  
Telescope Stargazing

Venus, Mars, Jupiter and Saturn. Most of the sights described are visible to the naked eye and all are within reach of binoculars or a small telescope. This revised and updated edition includes sections on observing the Moon and the

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For Binocular Users Sky  
Telescope Stargazing  
planets, with a comprehensive  
Moon map. The Monthly Sky Guide  
offers a clear and simple  
introduction to the skies of the  
northern hemisphere for  
beginners of all ages.

From 1946 to 1994, Sky &

## Online Library Binocular Highlights 99 Celestial Sights

For Binocular Users Sky  
Telescope Stargazing

Telescope magazine featured a column called Deep-Sky Wonders, in which amateur astronomer Walter Scott "Scotty" Houston captured the wonder and delight of exploring the farthest reaches of the deep sky. In this book, Sky &



# Online Library Binocular Highlights 99 Celestial Sights

For Binocular Users Sky  
Telescope Stargazing

Telescope contributing editor  
Stephen James O'Meara presents a  
month-by-month selection of  
Scotty's columns along with  
insightful observations and warm  
recollections of his time with  
Scotty. More than a field guide,

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For Binocular Users Sky  
Telescope Stargazing

Deep Sky Wonders is the work of a man who was a major influence on the development of amateur astronomy for nearly half a century.

How to Find the Best Objects the  
Night Sky has to Offer

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Highlights 99 Celestial Sights

For Binocular Users Sky  
Telescope Stargazing  
More Than 2,100 Stellar Gems for  
Backyard Observers

Stargazing with Binoculars

A Guide to Stars and Constellations  
and their Legends

Discovering the Universe through  
the Sky's Most Brilliant Stars

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Highlights 99 Celestial Sights  
For Binocular Users Sky  
Telescope Stargazing

An Introduction to Astronomy for  
Every Night of the Year

*"The authoritative masterpiece" (L. A. Times) on the Apollo space program and NASA's journey to the moon This acclaimed portrait of heroism and*

# Online Library Binocular Highlights 99 Celestial Sights

For Binocular Users Sky  
Telescope Stargazing  
*ingenuity captures a watershed moment  
in human history. The astronauts*

*themselves have called it the definitive  
account of their missions. On the night  
of July 20, 1969, our world changed  
forever when Neil Armstrong and Buzz  
Aldrin walked on the moon. Based on in-*

# Online Library Binocular Highlights 99 Celestial Sights

For Binocular Users Sky  
Telescope Stargazing

*depth interviews with twenty-three of the  
twenty-four moon voyagers, as well as  
those who struggled to get the program  
moving, A Man on the Moon conveys  
every aspect of the Apollo missions with  
breathtaking immediacy and stunning  
detail. A Man on the Moon is also the*

# Online Library Binocular Highlights 99 Celestial Sights

For Binocular Users Sky

*basis for the acclaimed miniseries  
produced by Tom Hanks, From the  
Earth to the Moon, now airing and  
streaming again on HBO in celebration  
of the 50th anniversary of Apollo 11.  
Presents information about using  
binoculars for astronomy, discussing*

# Online Library Binocular Highlights 99 Celestial Sights

*For Binocular Users Sky  
Telescope Stargazing*  
*how they work and the models available,  
and describing the celestial bodies that  
can be observed in the night sky for  
every month of the year in the southern  
and northern hemispheres.*

*This comprehensive work takes you on a  
personal tour of the universe using*



# Online Library Binocular Highlights 99 Celestial Sights

For Binocular Users Sky  
Telescope Stargazing

*nothing more than a pair of binoculars. More comprehensive than any book currently available, it starts with Earth's nearest neighbor, the moon, and then goes on to explore each planet in the solar system, asteroids, meteors, comets and the sun. Following this, the reader is*

## Online Library Binocular Highlights 99 Celestial Sights

*For Binocular Users Sky  
Telescope Stargazing*

*whisked away into deep space to explore celestial bodies including stars that are known and many sights less familiar. The final chapter includes a detailed atlas of deep-sky objects visible through binoculars. The appendices include guidance on how to buy, care for and*

# Online Library Binocular Highlights 99 Celestial Sights

For Binocular Users Sky  
Telescope Stargazing  
*maintain astronomical binoculars, tips  
and hints on using them, and detailed  
information on several home-made  
binocular mounts.*

*Month by month, star by star, object by  
object, Stephen James O'Meara takes  
readers on a celestial journey to many of*

# Online Library Binocular Highlights 99 Celestial Sights

For Binocular Users Sky  
Telescope Stargazing

*the most prominent stars and constellations visible from mid-northern latitudes. Filled with interesting anecdotes about the stars and constellations and their intriguing histories, this book is both a useful guide for amateur astronomers, and a great*

# Online Library Binocular Highlights 99 Celestial Sights

*For Binocular Users Sky  
Telescope Stargazing*

*first-time reference for those just starting out. After describing a constellation's mythology, readers are guided in locating and identifying its brightest stars in the sky, as well as any other bright targets of interest - colourful stars, double or multiple stars, star*

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*For Binocular Users Sky  
Telescope Stargazing*

*clusters and asterisms, nebulae, galaxies, variable stars, and more. This book will help beginning stargazers become familiar with the stars and constellations visible from their backyards, and explore the brightest and best stars, nebulae, and clusters visible through*

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Highlights 99 Celestial Sights

For Binocular Users Sky  
*inexpensive, handheld binoculars.*

Telescope Stargazing  
*A Simple Guide to the Heavens*

*A Guide to Hubble Space Telescope  
Objects*

*Deep-Sky Wonders*

*Stargazing Basics*

*CUCKOO'S EGG*

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Highlights 99 Celestial Sights

*A New Way to Chart the Stars  
Their Selection, Location, and  
Significance*

**The 110 star clusters,  
nebulae and galaxies of  
Messier's catalog are  
among the most popular**



# Online Library Binocular Highlights 99 Celestial Sights

For Binocular Users Sky  
Telescope Stargazing  
of all the deep sky  
objects and are

beautiful targets for  
amateur observers of all  
abilities. This stunning  
new atlas presents a  
complete and lively

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Highlights 99 Celestial Sights

For Binocular Users Sky  
Telescope Stargazing  
account of all of the  
Messier objects. Details  
for each object given  
include a thoroughly-  
researched history of  
its discovery,  
historical observations

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For Binocular Users Sky  
Telescope Stargazing  
and anecdotes, the  
latest scientific data  
detailing its  
astrophysical findings,  
and clear observational  
descriptions from naked  
eye through to large

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For Binocular Users Sky  
Telescope Stargazing  
telescopes. In addition,  
this atlas has some of  
the world's finest color  
astrophotos, inverted  
and labelled photos  
pointing to hidden  
details and neighboring

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For Binocular Users Sky  
Telescope Stargazing

objects, as well as  
historical sketches  
alongside new deep sky  
drawings. Quite simply,  
this is the most far-  
reaching and beautiful  
reference on the Messier

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Highlights 99 Celestial Sights

For Binocular Users Sky  
Telescope Stargazing  
objects there has ever  
been, and one that no  
observer should be  
without!

'A book that will make  
the night sky your  
lifelong passion. An

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For Binocular Users Sky  
Telescope Stargazing  
invitation to immerse  
yourself in the nature  
around you and the  
universe beyond.' -

Professor Brian Cox The  
Secret World of  
Stargazing is the

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For Binocular Users Sky  
Telescope Stargazing  
ultimate astronomy book  
to set you on your epic  
journey around the  
cosmos - it's a simple  
guide to the skies and  
makes stargazing fun,  
easy and enjoyable for



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For Binocular Users Sky  
Telescope Stargazing

all - absolutely no  
equipment is required!

Adrian West, AKA the  
internet sensation

VirtualAstro, will take  
you through the seasons,  
showing you exactly what

# Online Library Binocular Highlights 99 Celestial Sights

For Binocular Users Sky  
Telescope Stargazing  
you can spot in the sky  
throughout the year,  
whether you're in your  
back garden or sitting  
on an exotic beach  
somewhere! While you're  
learning how to spot

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For Binocular Users Sky  
Telescope Stargazing

constellations, meteors  
and comets, you will be  
switching off your busy  
mind, sitting still in  
nature and paying  
attention to the small  
details that make up the

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Highlights 99 Celestial Sights

For Binocular Users Sky  
Telescope Stargazing  
big picture of life.

You'll finish reading  
this beautiful book and  
come away with a sense  
of grounding,  
connection, knowledge  
and a whole new

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Highlights 99 Celestial Sights

For Binocular Users Sky  
Telescope Stargazing  
appreciation of the sky  
above and the world

outside your own - it  
will soothe your soul.

'An excellent, readable,  
bright guide to the  
night sky.' - Dara

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For Binocular Users Sky  
Telescope Stargazing

O'Briain 'A superb  
introduction to  
astronomy.' - Chris  
Packham

Sets out a simple month-  
by-month program to  
reveal all of the night

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For Binocular Users Sky  
Telescope Stargazing

sky's biggest and most  
beautiful secrets in  
just one year - and with  
only a few hours of  
stargazing each month By  
investing just an hour a  
week and \$50 in

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For Binocular Users Sky

binoculars, it's  
Telescope Stargazing  
possible to learn a few  
simple techniques and  
quickly gain a real  
insight into the night  
sky's ever-changing  
patterns - and what they



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Telescope Stargazing  
tell us about Earth, the  
seasons and ourselves.  
Searching more for a  
learned appreciation of  
nature and our exact  
place within the cosmos  
than academic scientific

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Telescope Stargazing

knowledge, science and  
travel writer Jamie  
Carter takes the reader  
on a 12 month tour of  
the night sky's  
incredible annual  
rhythms that say so much

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about Earth. During the  
journey he learns about  
the celestial mechanics  
at work in the skies  
above that are - to the  
beginner - almost beyond  
belief. As well as the

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For Binocular Users Sky  
Telescope Stargazing  
vital constellations and  
clusters, and the weird  
and wonderful nebulas,  
he searches out “dark  
sky destinations” across  
the globe that help  
increase knowledge and

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For Binocular Users Sky  
Telescope Stargazing  
give a new perspective  
on familiar night sky  
sights. On the journey  
he witnesses a solar  
eclipse and grapples  
with star-charts,  
binoculars, smartphone

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For Binocular Users Sky  
Telescope Stargazing  
apps, telescopes, spots  
satellites and attempts  
basic astro-photography.  
By year's end, the  
reader will be able to  
glance at the night sky  
from anywhere on the

# Online Library Binocular Highlights 99 Celestial Sights

For Binocular Users Sky  
Telescope Stargazing

planet and tell what  
direction he or she is  
facing, what time it is,  
where all the planets  
are and even where the  
Galactic Center Point  
is.

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Telescope Stargazing

**A Man on the Moon  
Sirius**

**The Voyages of the  
Apollo Astronauts  
Comets in the 21st  
Century**

**The Backyard**



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For Binocular Users Sky  
**Astronomer's Field Guide**  
Telescope Stargazing