

## Philip S 2019 Stargazing Month By Month Guide To

Written by a leading expert, this monograph presents recent developments on supernova remnants, with the inclusion of results from various satellites and ground-based instruments. The book details the physics and evolution of supernova remnants, as well as provides an up-to-date account of recent multiwavelength results. Supernova remnants provide vital clues about the actual supernova explosions from X-ray spectroscopy of the supernova material, or from the imprints the progenitors had on the ambient medium supernova remnants are interacting with all of which the author discusses in great detail. The way in which supernova remnants are classified, is reviewed and explained early on. A chapter is devoted to the related topic of pulsar wind nebulae, and neutron stars associated with supernova remnants. The book also includes an extended part on radiative processes, collisionless shock physics and cosmic-ray acceleration, making this book applicable to a wide variety of astronomical sub-disciplines. With its coverage of fundamental physics and careful review of the state of the field, the book serves as both textbook for advanced students and as reference for researchers in the field.

'Computational History' derives history from data and nowadays, therefore, relies on the technologies of the digital humanities. 'Computational History of Science' addresses questions of history by evaluating historical data, e.g. for tracing back copying traditions and conclude on transfer and transformation of data and knowledge. The term 'Applied Historical Astronomy', in contrast, tries to address questions of contemporary science by evaluating historical data in comparison with most recent data. This opens new possibilities, e.g. in the search for stellar transients among historical data. In the contribution by Hoffmann & Vogt we will focus on the stellar transients among all the topics mentioned above. Philipp Protte discusses the accuracy of magnitudes and positions in ancient star catalogues, Andreas Schrimpf & Frank Verbeut present an analysis of an early modern star catalogue. Victor Reijjs analyses the visibility of celestial objects for naked-eye observers, and Björn Kunnemann showcases some important variable stars in the history of astronomy. René Hudec presents astronomical photographic archives as a valuable data source for modern astrophysics. José M. Vaquero discusses the studies on solar observations made during the last four centuries. More technical are the contributions of Georg Zottl on Stellarium and Karsten Markus-Schnabel on data-mining and data-processing technologies. Ide Yavetz & Luca Beisel are developing a digital tool of computational history of science for the simulation of pre-modern astronomical models. Gerd Graßhoff focuses more on the application of computational history with regard to Kepler's Astronomia Nova while Tim Karberg presents an analysis of the astronomical orientation of buildings in the North Sudan.

The celebrated annual for sky-watchers and stargazers, including references and a variety of fascinating articles. The Yearbook of Astronomy series is known for its comprehensive jargon-free monthly sky notes and authoritative sky charts that enable backyard astronomers and sky-gazers everywhere to plan their viewing of the year's eclipses, comets, meteor showers, and minor planets, as well as detailing the phases of the moon and visibility and locations of the planets throughout the year. Every annual edition also includes a variety of entertaining and informative articles. Among the wide-ranging articles in this edition are: 200 Years of the Royal Astronomical Society The Naming of Stars Astronomical Sketching Dark Matter and Galaxies Eclipsing Binaries The First Known Black Hole A Perspective on the Aboriginal View of the World, and more First appearing in 1962, shortly after the dawning of the Space Age, Yearbook of Astronomy continues to be essential reading for any sky-watcher or stargazer, amateur and professional alike, who wants to expand their knowledge of the universe and its wonders.

Listing more than 500 sky targets, both near and far, in 187 challenges, this observing guide will test novice astronomers and advanced veterans alike. Its unique mix of Solar System and deep-sky targets will have observers hunting for the Apollo lunar landing sites, searching for satellites orbiting the outermost planets, and exploring hundreds of star clusters, nebulae, distant galaxies, and quasars. Each target object is accompanied by a rating indicating how difficult the object is to find, an in-depth visual description, an illustration showing how the object realistically looks, and a detailed finder chart to help you find each challenge quickly and effectively. The guide introduces objects often overlooked in other observing guides and features targets visible in a variety of conditions, from the inner city to the dark countryside. Challenges are provided for the naked eye, through binoculars and the largest backyard telescopes.

Philip's 2022 Stargazing Month-By-Month Guide to the Night Sky in Britain and Ireland

2019 Guide to the Night Sky: Best-selling month-by-month guide to exploring the skies above Britain and Ireland

The Greatest Works of Philip Schaff

Exploring the X-ray Universe

The Art of Urban Astronomy

2019 Guide to the Night Sky

Knowledge Discovery in Big Data from Astronomy and Earth Observation: Astrogeoinformatics bridges the gap between astronomy and geoscience in the context of applications, techniques and key principles of big data. Machine learning and parallel computing are increasingly becoming cross-disciplinary as the phenomena of Big Data is becoming common place.

This book provides insight into the common workflows and data science tools used for big data in astronomy and geoscience. After establishing similarity in data gathering, pre-processing and handling, the data science aspects are illustrated in the context of both fields. Software, hardware and algorithms of big data are addressed. Finally, the book offers insight into the emerging science which combines data and expertise from both fields in studying the effect of cosmos on the earth and its inhabitants. Addresses both astronomy and geosciences in parallel, from a big data perspective Includes introductory information, key principles, applications and the latest techniques Well-supported by computing and information science-oriented chapters to introduce the necessary knowledge in these fields

Philip's 2020 Stargazing Month-By-Month Guide to the Night Sky in Britain & Ireland

A comprehensive handbook to the planets, stars and constellations visible from the southern hemisphere. 6 pages for each month covering January–December 2021.

This is the ideal resource for beginners and experienced stargazers in the United States and Canada, and has been updated to include new and practical information covering events occurring in North America's night sky throughout 2022.

The perfect gift for amateur and seasoned astronomers. Follow the progress of constellations throughout the seasons with this beautiful companion to the night sky from Astronomy experts Collins.

StarFinder for Beginners

Cosmic Challenge

2022 Guide to the Night Sky Southern Hemisphere: A month-by-month guide to exploring the skies above Australia, New Zealand and South Africa

2022 Guide to the Night Sky: A month-by-month guide to exploring the skies above Britain and Ireland

A Complete Astronomer's Guidebook

Yearbook of Astronomy 2019

An inspiration to amateur and professional astronomers alike, the Yearbook of Astronomy warrants a place on the bookshelf of all sky watchers and stargazers. Maintaining its appealing style and presentation, the Yearbook of Astronomy 2019 contains an authoritative set of sky charts and comprehensive jargon-free monthly sky notes to enable backyard astronomers everywhere to plan their viewing of the years eclipses, comets, meteor showers and deep sky objects. In addition, a variety of entertaining and informative articles present the reader with information on a wide range of topics including, among others, The Cassini-Huygens Mission to the Saturn System, 100 Years of the International Astronomical Union, The First Micro-Quasar, Getting the Measure of Double Stars, Asaph Hall, Man of Mars, and Science Fiction and the Future of Astronomy. The Yearbook of Astronomy has been around for well over half a century and, as it heads towards its Diamond Jubilee edition in 2022, continues to be essential reading for anyone lured by the magic of astronomy and who wants to extend their knowledge of the Universe and the wonders it plays host to.

A comprehensive handbook to the planets, stars and constellations visible from the southern hemisphere. 6 pages for each month covering January–December 2022.

Reach for the stars Stargazing is the practice of observing the night sky and its contents - from constellations through to planets and galaxies. Stars and other night sky objects can be seen with the naked eye, or seen in greater numbers and in more detail with binoculars or a telescope. Stargazing For Dummies offers you the chance to explore the night sky, providing a detailed guide to the main constellations and also offering advice on viewing other night sky objects such as planets and nebulae. It's a great introduction to a fun new hobby, and even provides a fun way to get the kids outside while doing something educational! Gives you an introduction to looking at the sky with binoculars or a telescope Offers advice on photographing the night sky Without needing to get your head around mind-bending theories, you can take part in some practical physics if you're looking for easy-to-follow guidance on getting to know the night sky. Stargazing For Dummies has you covered.

Capturing the excitement and accomplishments of X-ray astronomy, this second edition now includes a broader range of astronomical phenomena and dramatic new results from the most powerful X-ray telescopes. Covering all areas of astronomical research, ranging from the smallest to the largest objects, from neutron stars to clusters of galaxies, this textbook is ideal for undergraduate students.

Each chapter starts with the basic aspects of the topic, explores the history of discoveries, and examines in detail modern observations and their significance. This new edition has been updated with results from the most recent space-based instruments, including ROSAT, BeppoSAX, ASCA, Chandra, and XMM. New chapters cover X-ray emission processes, the interstellar medium, the Solar System, and gamma-ray bursts. The text is supported by over 300 figures, with tables listing the properties of the sources, and more specialized technical points separated in boxes.

Philip's 2020 Stargazing Month-By-Month Guide to the Night Sky Britain & Ireland

Philip's 2021 Stargazing Month-by-Month Guide to the Night Sky in Britain & Ireland

The Origins of Chaos and Stability

A Month-By-month Guide to Exploring the Skies Above Australia, New Zealand and South Africa

2021 Guide to the Night Sky: A month-by-month guide to exploring the skies above North America

Finding List of the Chicago Public Library

Turn your eyes to the skies for this starry-eyed spectacular! Take this practical page-turner on your out-of-this-world adventure to experience cosmic wonders, key constellations, and intergalactic information.?? Packed with crystal-clear visuals, easy-to-read maps, and top tips, you'll have no problems navigating the starry night with this indispensable guide. Discover the most important constellations visible in the Northern Hemisphere, read the amazing stories behind each constellation, recognise the constellations of the zodiac, and experience the Milky Way as never before. Learn how to spot planets, galaxies, and nebulae in our Universe, as mind-blowing patterns in the sky are revealed in unprecedented detail. With a foreword by British science fiction author Neil Armstrong, this is the total package for budding astronomers and rising stars everywhere.

"THIS IS A GREAT GUIDE TO THE NIGHT SKY AT A GREAT PRICE." Astronomy Now A comprehensive handbook to the planets, stars and constellations visible from the northern hemisphere. 6 pages for each month covering January-December 2019.

This collection of photographs illuminates the darkness of space in a whole new way. Images from the archives of NASA reveal the night sky's most extraordinary phenomena, from the radiant aurora borealis to awe-inspiring lunar eclipses. Science geeks, photography fans, and stargazers will pore over this earth's eye view of the cosmos. Each breathtaking photo is paired with an informative caption about the scientific phenomena it reveals and the technology used to capture it. Featuring a preface by Bill Nye, this ebook will rekindle the wonder of looking up at the stars.

Advance praise for Philip Plait's Bad Astronomy "Bad Astronomy is just plain good! Philip Plait clears up every misconception on astronomy and space you never knew you suffered from." –Stephen Maran, Author of Astronomy for Dummies and editor of The Astronomy and Astrophysics Encyclopedia "Thank the cosmos for the bundle of star stuff named Philip Plait, who is the world's leading consumer advocate for quality science in space and on Earth. This important contribution to science will rest firmly on my reference library shelf, ready for easy access the next time an astrologer calls." –Dr. Michael Shermer, Publisher of Skeptic magazine, monthly columnist for Scientific American, and author of The Borderlands of Science "Philip Plait has given us a readable, credible, informative, useful, and entertaining look. Bad Astronomy is Good Science. Very good science." –James "The Amazing" Randi, President, James Randi Educational Foundation, and author of An Encyclopedia of Claims, Frauds, and Hoaxes of the Occult and Supernatural "Bad Astronomy is a fun read. Plait is wonderfully witty and educational as he debunks the myths, legends, and 'conspiraciesthat abound in our society. 'The Truth Is Out There' and it's in this book. I loved it!" –Mike Mullane, Space Shuttle astronaut and author of Do Your Ears Pop in Space?

Night Sky Almanac 2022: A stargazer's guide

The Ultimate Observing List for Amateurs

For Use in Britain and Ireland, Northern Europe, Northern USA and Canada

2023 GUIDE TO THE NIGHT SKY

Philip's Stargazing Month-by-Month Guide to the Night Sky Britain & Ireland

Astrogeoinformatics

"This is a great guide to the night sky at a great price!" Astronomy Now Best-selling and most comprehensive handbook to the planets, stars and constellations visible from the northern hemisphere. 6 pages for each month covering January–December 2018.

This is the ideal resource for beginners and experienced stargazers in the United States and Canada, and has been updated to include new and practical information covering events occurring in North America's night sky throughout 2021.

Celestial Encounters traces the history of attempts to solve the problem of celestial mechanics first posited in Isaac Newton's Principia in 1686. More generally, the authors reflect on mathematical creativity and the roles that chance encounters, politics, and circumstance play in it. 23 halftones. 64 line illustrations.

A companion volume to the best-selling UK and North-American editions of Guide to the Night Sky. A comprehensive handbook to the planets, stars and constellations visible from the southern hemisphere. 6 pages for each month covering January–December 2019. A companion volume to the best-selling Guide to the Night Sky. This practical guide is both an easy introduction to astronomy and a useful reference for seasoned stargazers. Now includes a section on comets and a map of the moon. Designed specifically for the southern hemisphere with all-new diagrams and charts. Written and illustrated by astronomical experts, Storm Dunlop and Wil Tirion. Content includes: \* Advice on where to start looking. \* Easy-to-use star maps for each month with descriptions of what to see. \* Positions of the moon and visible planets. \* Details of objects and events you might see in 2019.

2023 Guide to the Night Sky Southern Hemisphere

The guide to the northern night sky

Misconceptions and Misuses Revealed, from Astrology to the Moon Landing "Hoax"

Philip's Month-By-Month Stargazing 2016

Night Sky Almanac 2021: A stargazer's guide

Knowledge Discovery in Big Data from Astronomy and Earth Observation

"IF YOU BUY JUST ONE GUIDE... YOU WON'T DO BETTER THAN THIS" BBC Sky at Night Magazine · 12 month-by-month Night Sky Maps for year-round stargazing · Monthly Calendar of moon phases and special events in 2019 · Planet Watch: the best viewing days for planets in 2019 · Dark Sky Map of the UK - find the darkest skies · Optical Equipment Guide - Which Telescopes? · The major astronomical events of 2019 · Month-by-month top 20 Sky Sights 2019 Plus: · Expert advice on what to see each month from Heather Couper and Nigel Henbest, Philip's internationally renowned authors. · The Solar System 2019 explains the movement of the planets, with particular attention paid to their positions in 2019. Solar and lunar eclipses, meteor showers and comets are also described. · And all superbly illustrated with photographs taken by the best amateur photographers illustrating the night skies. Book Description Philip's Month-by-Month Stargazing 2019 is the guide for Stargazers in Britain and Ireland. The new 2019 edition has been completely revised to make it even more essential for exploring the night skies. Essential reading for astronomers at all levels - and the perfect gift for every stargazer. About the Authors Philip's Stargazing Month by Month 2019 is written by two of the UK's best-known and respected astronomers. Professor Heather Couper CBE, FRAS, is an internationally acclaimed astronomer, writer and producer/producer of TV and radio programmes. Professor Nigel Henbest researched in radio astronomy at Cambridge University, with the Astronomer Royal, and has been a Consultant to both New Scientist magazine and the Royal Greenwich Observatory.

"The History of the Christian Church" is an eight volume account of Christian history written by Philip Schaff. In this great work Schaff covers the history of Christianity from the time of the apostles to the Reformation period. "Ecclesiastical History" of Eusebius, the bishop of Caesarea, was a 4th-century pioneer work giving a chronological account of the development of Early Christianity from the 1st century to the 4th century. The result was the first full-length historical narrative written from a Christian point of view. It was written in Koine Greek, and survives also in Latin, Syriac, and Armenian manuscripts. Did you know that stars are seasonal? That Orion is one of the brightest constellations? That a single day on Venus is longer than an entire year on Venus? Space has captivated mankind since the beginning of time. Fifty years ago, Neil Armstrong became the first man to step on the moon and since then our knowledge of astronomy has continued to expand. With so many mysteries yet to be solved, science journalist Abigail Beall takes readers on an astonishing journey through the landscape of space. In The Art of Urban Astronomy, you will be guided through the seasons and learn about the brightest stars and constellations, the myths and legends of astronomy and how to identify star clusters and galaxies with just your eyes or a pair of binoculars. For urban dwellers wrapped up in the rush and bustle of the city, it can be calming and truly valuable to take the time simply to stop, look and reconnect with nature. Packed full of seasonal star charts, constellation charts and fascinating facts, this is the perfect guide for those who have looked up at the night sky and don't know where to begin. After reading this book, you'll never look up in the same way again.

"This is a great guide to the night sky at a great price!" Astronomy Now "A handy and straightforward guide ... attractive little booklet" British Astronomical Association's Journal "an ideal Christmas stocking-filler" The Observatory

Astronomy Pack

Yearbook of Astronomy 2020

Applied and Computational Historical Astronomy. Angewandte und computergestützte historische Astronomie.

Proceedings of the Splinter Meeting in the Astronomische Gesellschaft, Sept. 25, 2020. Nuncius Hamburgensis - Beitr ä ge zur Geschichte der Naturwissenschaften; Vol. 55

The History of the Christian Church According to Eusebius & Philip Schaff

2018 Guide to the Night Sky: A month-by-month guide to exploring the skies above Britain and Ireland

Philip's Month-By-Month Stargazing 2016 is a concise guide to the northern-hemisphere night sky, helping starwatchers to see the year's most fascinating events, whether observing with the naked eye, binoculars or a telescope. New for 2016, the authors have included ideas for joining Citizen Science projects at the cutting edge of astronomical research. The guide is suitable for use between latitudes 40°N and 60°N, including Britain and Ireland, Europe as far south as Rome, and Canada and the northern USA as far south as Philadelphia. Each chapter (one for each month of the year) has a colour star map, created by Wil Tirion, showing the positions and phases of the Moon, the positions of the planets, and other useful information. Each month also includes a constellation described in detail; special events during the month, such as eclipses; a featured astronomical object, usually a deep-sky target; plus an astrophotograph, with details of how it was taken. The Solar System Almanac explains the movement of the planets, with particular attention paid to their positions in 2016. Solar and lunar eclipses, meteor showers and comets are also described. Exploring the Deep Sky provides a list of recommended deep-sky objects. The observer can use the month charts to discover which constellations are on view, and then use this information to plan deep-sky observing. The book concludes with an Equipment Review. Here Robin Scagell, author of Philip's Stargazing with a Telescope, provides a round-up of what's new in observing technology.

"If you buy just one guide... you won't do better than this" BBC Sky at Night Magazine "You're very much in the dark without this illuminating superstar of a guide." Popular Astronomy "I will continue to enjoy 'Philip's Stargazing' as the months go by" Helen Sharman, Astronaut "Very useful indeed!" Chris Lintott, Sky at Night presenter Discover the latest in star gazing with the new and definitive guide to the night sky.

Whether you're a seasoned astronomer or just starting out, Philip's Stargazing 2021 is the only book you'll need. Compiled by experts and specially designed for use in Britain and Ireland, Stargazing 2021 acts as a handily illustrated and comprehensive companion. · 12 Brand-New Maps for year-round astronomical discovery · Month-to-Month informationDaily Moon Phase Calendar, highlighting special lunar events throughout the year · Planet Watch for ideal viewing days in 2021 · Avoid light pollution with our detailed Dark Sky Map · Expert advice and insight throughout from internationally renowned Professors Couper and Henbest · Using Binoculars · Stargazing recommendations from expert Robin Scagell · Perfect for home use during lockdown · Complete calendar of major astronomical events, including the Top 20 Sky Sights of 2021 · Jargon Buster, explaining common or confusing terms · The planets' movements explained from solar and lunar eclipses to meteor showers and comets

This comprehensive work takes you on a personal tour of the universe using 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 whisked away into deep space to explore celestial bodies including stars, galaxies, and nebulae. The book includes information on how to use binoculars, tips and hints on using them, and detailed information on several name-made binocular models.

"IF YOU BUY JUST ONE GUIDE... YOU WON'T DO BETTER THAN THIS" BBC Sky at Night Magazine "I WILL CONTINUE TO ENJOY 'STARGAZING AS THE MONTHS GO BY" Helen Sharman, Astronaut "VERY USEFUL INDEED" Chris Lintott, Sky at Night presenter Discover the latest in stargazing with the new and definitive guide to the night sky. Whether you're a seasoned astronomer or just starting out, Philip's Stargazing 2022 is the only book you'll need. Compiled by experts and specially designed for use in Britain and Ireland, Stargazing 2022 acts as a handily illustrated and comprehensive companion. · 12 Brand-New Maps for year-round astronomical discovery · Month-to-Month information. Daily Moon Phase Calendar, highlighting special lunar events throughout the year · Planet Watch for ideal viewing days in 2022 · Avoid light pollution with our detailed Dark Sky Map · Expert advice and insight throughout from internationally renowned Professor Nigel Henbest · A 'Behind the Scenes' look at astrophotography from expert Robin Scagell · Complete calendar of major astronomical events, including the Top 20 Sky Sights of 2022 · Jargon Buster, explaining common or confusing terms · The planets' movements explained from solar and lunar eclipses to meteor showers and comets

Touring the Universe through Binoculars

Astronomy Now

Stargazing

Physics and Evolution of Supernova Remnants

The Complete 8 Volume Edition of Schaff's Church History & The Eusebius' History of the Early Christianity

2022 Guide to the Night Sky: A month-by-month guide to exploring the skies above North America

*Invaluable for both beginners and advanced observers, Philip's Planisphere (Latitude 51.5 North) is a practical hour-by-hour tracker of the stars and constellations, designed for use anywhere in Britain and Ireland, Northern Europe, Northern USA and Canada. Turn the oval panel to the required date and time to reveal the whole sky visible from your location. The map, by the well-known celestial cartographer Wil Tirion, shows stars down to magnitude 5, plus several deep-sky objects, such as the Pleiades, the Andromeda Galaxy (M31) and the Orion Nebula (M42). Because the planets move round the Sun, their positions in the sky are constantly changing and they cannot be marked permanently on the map; however, the back of the planisphere has tables giving the positions of Venus, Mars, Jupiter and Saturn for every month until 2020. The planisphere is supplied in a full-colour wallet that contains illustrated step-by-step instructions for how to use the planisphere, how to locate planets, and how to work out the time of sunrise or sunset for any day of the year. It explains all the details that can be seen on the map - the magnitudes of stars, the ecliptic and the celestial coordinates. In addition, the section 'Exploring the skies, season by season' introduces the novice astronomer to the principal celestial objects visible at different times of the year. Major constellations are used as signposts to navigate the night sky, locating hard-to-find stars and some fascinating deep-sky objects. The movement of the stars is also explained.*

*In recent years an enormous amount of cosmological data has come from well known projects such as the Hubble Space Telescope (HST) and the Cosmic Background Explorer (COBE). This book explains and makes sense of this vast array of new observational data in terms of its impact on current cosmological models. With new theories and a plethora of data feeding cosmology in the 1990s, Gregory Bothun sets about the task of re-assessing our cosmological models. He outlines exactly what the latest observations are, and how they should be seen as either consistent or in conflict with current cosmogenic scenarios. In this search for a reconciliation of current data with competing theory, he explains how Einstein's idea of a cosmological constant has now become a viable hypothesis. This authoritative text should be valuable to all those studying cosmological observations at advanced undergraduate or beginning graduate level. Bothun draws a path through cosmology by defining a trajectory that is based on the data. This should also provide a framework for professional cosmologists and related readers in physics as it presents a solid observational foundation which either supports or conflicts with present theory. The book is illustrated including many CCD images of galaxies. Given the rapidly changing nature of the field, this book is supported by a World Wide Web site of supplementary material that is designed to readily update the material in the book.*

*Nanohertz Gravitational Wave Astronomy explores the exciting hunt for low frequency gravitational waves by using the extraordinary timing precision of pulsars. The book takes the reader on a tour across the expansive gravitational-wave landscape, from LIGO detections to the search for polarization patterns in the Cosmic Microwave Background. The map, by the well-known celestial cartographer Wil Tirion, shows stars down to magnitude 5, plus several deep-sky objects, such as the Pleiades, the Andromeda Galaxy (M31) and the Orion Nebula (M42). Because the planets move round the Sun, their positions in the sky are constantly changing and they cannot be marked permanently on the map; however, the back of the planisphere has tables giving the positions of Venus, Mars, Jupiter and Saturn for every month until 2020. The planisphere is supplied in a full-colour wallet that contains illustrated step-by-step instructions for how to use the planisphere, how to locate planets, and how to work out the time of sunrise or sunset for any day of the year. It explains all the details that can be seen on the map - the magnitudes of stars, the ecliptic and the celestial coordinates. In addition, the section 'Exploring the skies, season by season' introduces the novice astronomer to the principal celestial objects visible at different times of the year. Major constellations are used as signposts to navigate the night sky, locating hard-to-find stars and some fascinating deep-sky objects. The movement of the stars is also explained.*

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