



Comets and How to Observe Them (Astronomers' Observing Guides)

By Richard Schmude Jr.



Download



Read Online

Comets and How to Observe Them (Astronomers' Observing Guides) By
Richard Schmude Jr.



Get Print Book

Comets have inspired wonder, excitement and even fear ever since they were first observed. But they are important members of the solar system, that contain material from early in the life of the system, held in deep-freeze. This makes them key in our understanding of the formation and evolution of many Solar System bodies.

Recent ground- and space-based observations have changed much in our understanding of comets. *Comets, and How to Observe Them* gives a summary of our current knowledge and describes how amateur astronomers can contribute to the body of scientific knowledge of comets. This book contains many practical examples of how to construct comet light-curves, measure how fast a comet's coma expands, and determine the rotation period of the nucleus. All these examples are illustrated with drawings and photographs.

Because of their unpredictable nature comets are always interesting and sometime spectacular objects to observe and image. The second part of the book therefore takes the reader through the key observing techniques that can be used with commercially available modern observing equipment, from basic observations to more scientific measurements.



[Download Comets and How to Observe Them \(Astronomers' ...pdf](#)



[Read Online Comets and How to Observe Them \(Astronomers' ...pdf](#)

Comets and How to Observe Them (Astronomers' Observing Guides)

By Richard Schmude Jr.

Comets and How to Observe Them (Astronomers' Observing Guides) By Richard Schmude Jr.

Comets have inspired wonder, excitement and even fear ever since they were first observed. But they are important members of the solar system, that contain material from early in the life of the system, held in deep-freeze. This makes them key in our understanding of the formation and evolution of many Solar System bodies.

Recent ground- and space-based observations have changed much in our understanding of comets. *Comets, and How to Observe Them* gives a summary of our current knowledge and describes how amateur astronomers can contribute to the body of scientific knowledge of comets. This book contains many practical examples of how to construct comet light-curves, measure how fast a comet's coma expands, and determine the rotation period of the nucleus. All these examples are illustrated with drawings and photographs.

Because of their unpredictable nature comets are always interesting and sometime spectacular objects to observe and image. The second part of the book therefore takes the reader through the key observing techniques that can be used with commercially available modern observing equipment, from basic observations to more scientific measurements.

Comets and How to Observe Them (Astronomers' Observing Guides) By Richard Schmude Jr.
Bibliography

- Sales Rank: #3026224 in Books
- Brand: Brand: Springer
- Published on: 2010-09-21
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .63" w x 6.10" l, .84 pounds
- Binding: Paperback
- 254 pages

 [Download Comets and How to Observe Them \(Astronomers' ...pdf](#)

 [Read Online Comets and How to Observe Them \(Astronomers' ...pdf](#)

Editorial Review

Review

From the reviews:

“More comets were found between 2000 and 2008 ... Four well known comets are then discussed in some detail before moving on to observing with the unaided eye, binoculars, small telescopes and, finally, with large scopes. If you enjoy lots of information, good illustrations and some maths, this is for you.” (Steve Richards, *Sky at Night Magazine*, April, 2011)

“The remarkable space probes to several comets, including Halley, have rewarded observers with a deeper understanding of the nature of comets and their relationship to asteroids. ... it will surely encourage amateur astronomers to consider taking up the challenge. This book is valuable not only for those who plan to study comets, but also for anyone who simply enjoys looking at these cosmic spectaculars. Summing Up: Highly recommended. Lower-division undergraduates and general audiences.” (D. E. Hogg, *Choice*, Vol. 48 (8), April, 2011)

“Richard Schmude’s passion ... brings to the table a book that covers almost every point in the comet observer’s arsenal. ... he deftly moves into a review of the laws of orbital mechanics, without diving too deeply into the mathematics, and in a way that everyone should easily grasp. ... This book is satisfying in many ways, filling in gaps in my knowledge in a way that kept me reading, despite the plethora of equations and values A recommended read indeed” (Nick Howes, *Astronomy Now*, April, 2011)

“The book is full of useful and helpful material. The content is well organized, and covers much technical background about comets at a scientific level, including equations. The author is an experienced observer and has included lots of tips on how to make and improve observations, such as resting your elbows on your car roof when observing with larger-aperture binoculars.” (Jonathan Shanklin, *The Observatory*, Vol. 131 (1222), June, 2011)

From the Back Cover

Comets have inspired wonder, excitement and even fear ever since they were first observed. They contain material from early in the life of the Solar System, held in deep-freeze. This makes them key in our understanding of the formation and evolution of many Solar System bodies. Recent ground- and space-based observations have changed much in our understanding of comets. *Comets and How to Observe Them* gives a summary of our current knowledge and describes how amateur astronomers can contribute to the body of scientific knowledge of comets. This book contains many practical examples of how to construct comet light-curves, measure how fast a comet’s coma expands, and determine the rotation period of the nucleus. All these examples are illustrated with drawings and photographs.

About the Author

Dr. Richard Willis Schmude, Jr. was born in Washington D.C. and attended public schools in Cabin John, Maryland; Los Angeles, California; and Houston, Texas. He started his college career at North Harris County College and graduated from Texas A&M University with a Bachelor of Arts degree in Chemistry. Later, he obtained a Master of Science degree in Chemistry from, a Bachelor of Arts degree in Physics and a Ph.D. in Physical Chemistry. He worked at NALCO Chemical Company as a graduate co-op student and at

Los Alamos National Laboratory as a graduate research assistant. Since 1994, Dr. Schmude has taught astronomy, chemistry, and other science classes at Gordon College in Barnesville, Georgia. He is a tenured Professor at this college and continues to teach his students (and others) in these areas. He has published over 100 scientific papers in many different journals, and has given over 500 talks, telescope viewing sessions and workshops to over 20,000 people.

Users Review

From reader reviews:

Luis Martin:

In other case, little persons like to read book Comets and How to Observe Them (Astronomers' Observing Guides). You can choose the best book if you want reading a book. As long as we know about how is important any book Comets and How to Observe Them (Astronomers' Observing Guides). You can add expertise and of course you can around the world by the book. Absolutely right, mainly because from book you can learn everything! From your country until foreign or abroad you will find yourself known. About simple thing until wonderful thing it is possible to know that. In this era, we can easily open a book or even searching by internet system. It is called e-book. You should use it when you feel uninterested to go to the library. Let's learn.

Michelle Garrett:

Do you certainly one of people who can't read satisfying if the sentence chained within the straightway, hold on guys that aren't like that. This Comets and How to Observe Them (Astronomers' Observing Guides) book is readable by means of you who hate the perfect word style. You will find the facts here are arrange for enjoyable examining experience without leaving possibly decrease the knowledge that want to offer to you. The writer involving Comets and How to Observe Them (Astronomers' Observing Guides) content conveys prospect easily to understand by lots of people. The printed and e-book are not different in the content but it just different by means of it. So , do you nevertheless thinking Comets and How to Observe Them (Astronomers' Observing Guides) is not loveable to be your top collection reading book?

John Stewart:

Comets and How to Observe Them (Astronomers' Observing Guides) can be one of your nice books that are good idea. All of us recommend that straight away because this e-book has good vocabulary that will increase your knowledge in words, easy to understand, bit entertaining but still delivering the information. The article writer giving his/her effort to put every word into joy arrangement in writing Comets and How to Observe Them (Astronomers' Observing Guides) but doesn't forget the main level, giving the reader the hottest in addition to based confirm resource info that maybe you can be certainly one of it. This great information can drawn you into fresh stage of crucial imagining.

Paul Herbert:

Beside that Comets and How to Observe Them (Astronomers' Observing Guides) in your phone, it may give

you a way to get more close to the new knowledge or details. The information and the knowledge you might got here is fresh from oven so don't always be worry if you feel like an aged people live in narrow town. It is good thing to have Comets and How to Observe Them (Astronomers' Observing Guides) because this book offers for your requirements readable information. Do you sometimes have book but you don't get what it's interesting features of. Oh come on, that won't happen if you have this in the hand. The Enjoyable agreement here cannot be questionable, including treasuring beautiful island. So do you still want to miss the item? Find this book and also read it from currently!

**Download and Read Online Comets and How to Observe Them
(Astronomers' Observing Guides) By Richard Schmude Jr.
#QWHF68JMVEC**

Read Comets and How to Observe Them (Astronomers' Observing Guides) By Richard Schmude Jr. for online ebook

Comets and How to Observe Them (Astronomers' Observing Guides) By Richard Schmude Jr. Free PDF download, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Comets and How to Observe Them (Astronomers' Observing Guides) By Richard Schmude Jr. books to read online.

Online Comets and How to Observe Them (Astronomers' Observing Guides) By Richard Schmude Jr. ebook PDF download

Comets and How to Observe Them (Astronomers' Observing Guides) By Richard Schmude Jr. Doc

Comets and How to Observe Them (Astronomers' Observing Guides) By Richard Schmude Jr. Mobipocket

Comets and How to Observe Them (Astronomers' Observing Guides) By Richard Schmude Jr. EPub