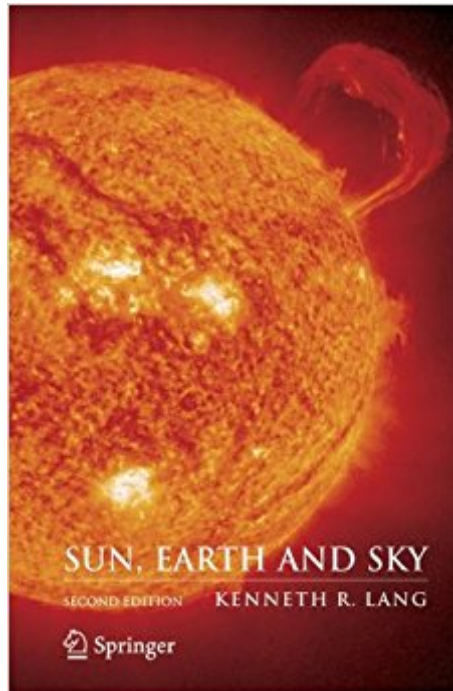




Ebook Directory
the best source of ebook

The book was found

Sun, Earth And Sky



Synopsis

Written in a light and friendly style, this lavishly illustrated book introduces the Sun and its physics, and describes all aspects of the Sun's interaction with us on Earth. The second edition of this book updates the popular text by providing comprehensive accounts of the most recent discoveries made by five modern solar spacecraft during the past decade. It contains a number of images never before seen in print. Breakthrough observations with the underground Sudbury Neutrino Observatory are also included. The new edition further provides modern interpretations of ozone depletion and global warming.

Book Information

Hardcover: 284 pages

Publisher: Springer; 2nd edition (September 6, 2006)

Language: English

ISBN-10: 0387304568

ISBN-13: 978-0387304564

Product Dimensions: 9.2 x 6.3 x 0.9 inches

Shipping Weight: 1.7 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars 3 customer reviews

Best Sellers Rank: #442,897 in Books (See Top 100 in Books) #92 in Books > Science & Math > Earth Sciences > Geophysics #491 in Books > Textbooks > Science & Mathematics > Astronomy & Astrophysics #646 in Books > Science & Math > Astronomy & Space Science > Astrophysics & Space Science

Customer Reviews

From the reviews of the second edition: "The second edition follows the first in its approach to topics but has been brought up to date most especially by reviewing the results from five modern solar spacecraft and from the Sudbury Neutrino Observatory. I would highly recommend this book to anyone interested in how the Sun works and behaves and how that in turn impinges upon the Earth and our life here." (C. R. Kitchin, *Astronomy Now*, April 2007)

"Lang's revision of his first edition includes significant new material such as results from recent theoretical calculations, spectacular images of the sun from satellites such as TRACE and SOHO, and a clear overview of the apparent solution of the solar neutrino problem. Summing Up: Highly recommended. Lower-division undergraduates through faculty." (T. Barker, *CHOICE*, Vol. 44 (9), May, 2007)

This Second Edition of *Sun, Earth and Sky* updates the popular text by providing comprehensive accounts of the most recent discoveries made by five modern solar spacecraft during the past decade. Their instruments have used sound waves to peer deep into the Sun's inner regions and measure the temperature of its central nuclear reactor, and extended our gaze far from the visible Sun to record energetic outbursts that threaten Earth. Breakthrough observations with the underground Sudbury Neutrino Observatory are also included, which explain the new physics of ghostly neutrinos and solve the problematic mismatch between the predicted and observed amounts of solar neutrinos. This new edition of *Sun, Earth and Sky* also describes our recent understanding of how the Sun's outer atmosphere is heated to a million degrees, and just where the Sun's continuous winds come from. As humans we are more intimately linked with our life-sustaining Sun than with any other astronomical object, and the new edition therefore provides modern interpretations of ozone depletion and global warming that are related to both the Sun and to human activities. Written in a light and friendly style, this lavishly illustrated book introduces the Sun and its physics, and describes all aspects of the Sun's interaction with us on Earth.

Good price for a used book... beats the heck out of buying a book from the local college book store.

Celebrate Sun-Earth Day on March 18th by reading this very accessible and beautiful book by Tufts University Astronomy Professor Kenneth R. Lang. (Science teachers if you're not already familiar with Sun-Earth Day, check out NASA's website at sunearth.gsfc.nasa.gov. The theme this year is 'Live from the Aurora'). A relatively small-scale transient event on our Sun could mean life or death on Earth. "Sun, Earth and Sky" will teach you about sunspots, solar flares, and coronal mass ejections: chunks of the Sun's outer atmosphere that blow off into space and can strike the Earth, causing aurorae and disrupting power grids and satellite communications. We humans actually live within the Sun's atmosphere, so it should come as no surprise that this medium-size star plays a dominant role in our lives. One of this book's main themes, as can be guessed from its title, is the interaction between the Sun and the Earth's atmosphere through radiation and high-energy particles. As with all astronomy texts, "Sun, Earth and Sky" went out-of-date immediately after publication in 1995 and does not contain recent discoveries such as solar tornadoes (first imaged by SOHO in 1998), the Solar Max 2000 research, or the data from RHESSI (Reuven Ramaty High Energy Solar Spectroscopic Imager) space probe, launched in early 2002. However, that's no

excuse not to read this book. I originally bought it to learn more about the interaction between solar flares and the Earth's magnetosphere (very lucidly explained), but soon found myself leafing through it just to look at the beautiful pictures (133 including 61 in color). Dr. Lang starts out by describing the Sun as a cosmic laboratory--a site to test physical theories under conditions not readily attainable on Earth. He proceeds painlessly, i.e. without too much math or nuclear physics, to describe the inner Sun, "an unseen world of perpetual change and cosmic violence." Along with more standard illustrations, he also includes paintings by Turner and Monet. His chapters on the violent, visible solar phenomena such as CME (coronal mass ejections) are among the most interesting in the book. And who would have guessed that we haven't yet solved the puzzle of the Sun's million-degree corona, even though its temperature has been known since the late nineteenth century. As Dr. Lang approaches Earth he drills down into such topics as our planet's magnetosphere, our atmosphere and its vanishing ozone, and the effect that an 'inconstant sun' has on our well-being--indeed, on our very survival as a species. I highly recommend "Sun, Earth and Sky" to anyone who is interested in a thorough grounding in solar astronomy. For completely up-to-date information on our Sun, check out the soho[...] There are some great pictures courtesy of the Solar and Heliospheric Observatory (SOHO). You can even download a SOHO real-time solar images screen saver as part of your Sun-Earth Day celebration.

This book is published by scientific authors, but it is very understandable for anyone! Besides I received it in a few days all the way to Mexico!

[Download to continue reading...](#)

Earth & Sky (The Earth & Sky Trilogy Book 1) Sun, Earth and Sky A Sky Unbroken (The Earth & Sky Trilogy Book 3) The Clouded Sky (The Earth & Sky Trilogy Book 2) Child's Introduction to the Night Sky: The Story of the Stars, Planets, and Constellations--and How You Can Find Them in the Sky Deep-Sky Wonders: A Tour of the Universe with Sky and Telescope's Sue French Night Sky With the Naked Eye: How to Find Planets, Constellations, Satellites and Other Night Sky Wonders Without a Telescope Conures as Pets: Including Information about Sun Conures and Green-Cheeked Conures: Care, training, breeding, diet, lifespan, sounds, behavior, ... Cheeked Parakeet and Sun Parakeet comparison Why the Sun and the Moon Live in the Sky (Caldecott Honor Books) Montana Sky Justice (Montana Sky Series Book 9) Wild Montana Sky (The Montana Sky Series Book 1) Singing Montana Sky (The Montana Sky Series Book 7) The Night Sky: A Glow-in-the-Dark Guide to Prominent Stars & Constellations North of the Equator (Sky Watcher Guide) Sky & Telescope's Pocket Sky Atlas Jumbo Edition Peeling The Earth Like An Onion : Earth

Composition - Geology Books for Kids | Children's Earth Sciences Books Sun Up, Sun Down: The Story of Day and Night (Science Works) Mystic Medusa's Sun Signs and Soul Mating: What Your Friends Won't Tell You, Your Sun Sign Will Eclipse Miracle: The Sun Is the Same Size as the Moon in the Sky Black Eyed Peas Present: Masters of the Sun: The Zombie Chronicles (Black Eyed Peas Presents: Masters of the Sun) L'arte della guerra - (illustrato) (commentato): Includere Sun Tzu audiolibro: DELUXE ITALIAN EDITION - Includere Sun Tzu audiolibro

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)