

10 Mind-Blowing Facts About Comet Ison C2012 S1 Ison "The Great Comet Of 2013" That Will Leave You in Awe!



The year 2013 witnessed the dazzling arrival of Comet Ison C2012 S1 Ison, also known as "The Great Comet Of 2013." This celestial phenomenon captured the attention and imagination of astronomers and space enthusiasts around the world. In this article, we delve into the mysteries and fascinating facts surrounding Comet Ison C2012 S1 Ison, providing you with an insight into this extraordinary cosmic event. Prepare to be amazed as we uncover the secrets of this celestial wonder!

1. Origins and Discovery

Comet Ison C2012 S1 Ison was discovered by Russian amateur astronomers Vitali Nevski and Artyom Novichonok on September 21, 2012. It was named after the International Scientific Optical Network (ISON) telescope, which was used to observe it.



Comet ISON, C/2012 S1 (ISON) - The Great Comet of 2013 by Anura Guruge (Kindle Edition)

★★★★☆ 4.8 out of 5

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Screen Reader : Supported
Enhanced typesetting : Enabled
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Print length : 156 pages
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2. Size and Composition

This great comet had an estimated nucleus diameter of around 5 kilometers (3.1 miles), making it relatively small compared to other comets. Its composition consisted of dust, gas, and frozen materials, similar to other comets in our solar system.

3. Distance from Earth

As it approached the Sun, Comet Ison C2012 S1 Ison came within approximately 1.2 million kilometers (750,000 miles) of Earth's surface. This relatively close proximity contributed to its visibility and made it an enticing celestial spectacle for sky gazers.

4. Solar Encounter

On November 28, 2013, Comet Ison C2012 S1 Ison underwent a close encounter with our Sun. It approached within 1.1 million kilometers (680,000 miles) of the Sun's surface, subjecting it to intense heat and gravitational forces. Unfortunately, it did not survive this encounter intact and disintegrated, bringing an end to its spectacular journey.

5. Brightness and Tail

The Great Comet Of 2013 was exceptionally bright, at times even visible during daylight. It boasted a bright golden-yellow color due to the presence of gases like cyanogen and diatomic carbon. The comet's tail reached an impressive length of approximately 5 degrees in the sky, making it a breathtaking sight for stargazers around the world.

6. Scientific Interest

Comet Ison C2012 S1 Ison was of great scientific interest to researchers. Its composition and behavior provided valuable insights into comets' formation and evolution. Scientists analyzed data collected from its disintegration, helping them understand the intricate workings of these enigmatic objects in our solar system.

7. Close Encounter with Mars

Before its dramatic encounter with the Sun, Comet Ison C2012 S1 Ison had a close brush with the planet Mars on October 1, 2013. Although it passed at a safe distance of approximately 10.5 million kilometers (6.5 million miles), it still resulted in stunning images and observations from various spacecraft and telescopes.

8. Artistic Inspiration

The beauty and celestial grandeur of Comet Ison C2012 S1 Ison inspired many artists, photographers, and poets. Its awe-inspiring appearance across the night sky led to captivating artworks, photographs, and prose that immortalized its extraordinary presence.

9. Legacy of Ison

Although Comet Ison C2012 S1 Ison no longer exists, it left a lasting impact on both the scientific community and the general public. Its journey provided a unique opportunity for astronomers to study the evolution and behavior of comets, contributing to our understanding of the universe.

10. Historical Significance

Comet Ison C2012 S1 Ison holds a significant place in the annals of astronomical history. It will be remembered as one of the most memorable comets of the 21st century, captivating observers with its extraordinary brightness, long tail, and its ultimate fate during its close encounter with the Sun.

Comet Ison C2012 S1 Ison "The Great Comet Of 2013" was a cosmic marvel that captivated the world with its stunning beauty and astronomical significance. Its journey through our solar system provided invaluable data for scientists and inspired countless individuals with its celestial splendor. While it may have faded into history, its legacy lives on as we continue to explore and marvel at the wonders of our universe.

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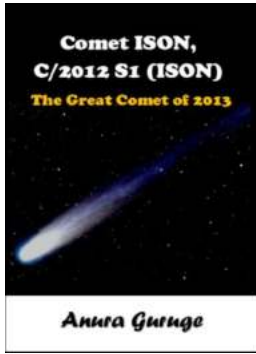
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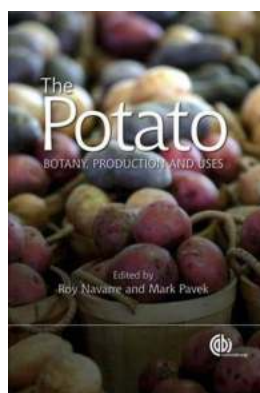


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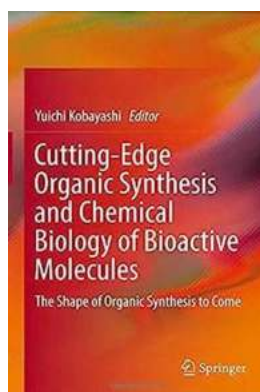
Third Edition. Significantly revised and updated in August 2013 to coincide with print edition. A comprehensive guidebook to Comet ISON, C/2012 S1 (ISON), which could by year-end 2013 become 'The Great Comet of 2013', possibly 'The Comet of the Century' and maybe even a 'once-in-a-civilization' comet. This book, the Kindle version of which will be regularly revised during the rest of 2013 (for free downloads), captures all that is known of this sungrazing (but not a Kreutz) comet, which, with luck, on Boxing Day, i.e., December 26, 2013, will flyby Earth at a (very safe) distance of 39.9 million miles. There is, however, a 20% chance that this comet, like so many other sungrazers may not make it around the Sun intact. This book, in chapter 1 itself, looks at the five potential return path scenarios. This, in reality' is a '2-in-1' book: an in-depth guide to C/2012 S1 (ISON) overlaid on top of an up to date, all encompassing primer on comets and cometary lore. So ISON is always discussed in the context of other 'great' comets. ISON could end up as being one of the brightest comets seen over the last few centuries. This book discusses the others. Ditto when it comes to sungrazing and close encounters with the Earth. There is also extensive descriptions of the Oort cloud, cometary names, the anatomy of comets and trysts with spacecrafts. Check the 'Table of Contents'. The Kindle version of the book is priced at US \$3.99 to reflect the 39,893,844 mile separation between Earth and this comet on Boxing Day. Since the author's middle name is 'typo' it is

inevitable that this book, which was put together in three months (with five weeks of that disrupted by the papal transition during which the author published three Kindle books) given the time criticality of the subject. The ‘typos’, if true to form, will be limited to spelling and grammar, rather than matters of factual accuracy. As many ‘typos’ will be fixed in each Kindle revision. IF the ‘typos’ bother you (though 50% of written English is redundant to enable a brain to gloss over them), please return the book and get a full refund – rather than complaining about it. Go find another book on the subject without ‘typos’. ISON, if it survives perihelion, will be a holiday comet – its naked eye exploits occurring in the main between late November and year end. This book is meant to help you revel in the whole C/2012 S1 (ISON) experience. Edition 3. August 31, 2013. There are slight differences between the print and Kindle edition.



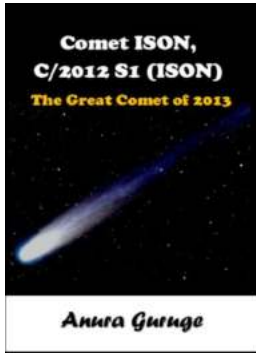
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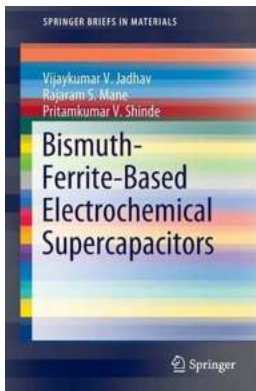
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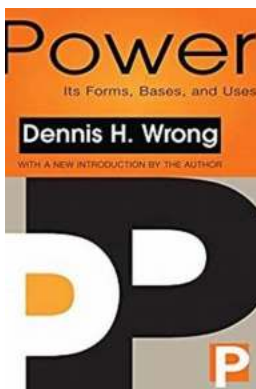
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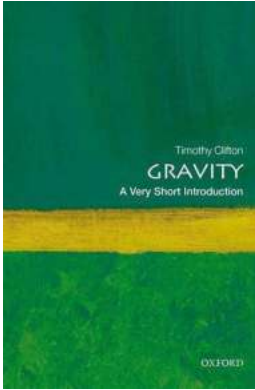
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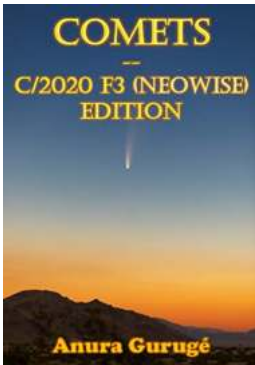
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