

REMOTE OBSERVATORIES FOR AMATEUR ASTRONOMERS USING HIGH POWERED TELESCOPES FR

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Why do astronomers build observatories in remote areas far away from cities?

Light from populated areas can be a problem for telescopes; the glow interferes with the light coming from space. It's better to place a telescope far away from cities or other major sources of light.

What kind of telescope would you expect to find in most observatories?

Refracting telescopes, because lenses are the best for bringing all colors of light to the same focal point b.

How do astronomers use observatories? An astronomical observatory is a place or building used for observing events in space. An observatory can contain just one telescope, but some have more than twenty telescopes. Astronomers use observatories to collect light from natural objects in space.

What are the drawbacks to space based observatories? Disadvantages. There are some limitations with the Hubble Space Telescope when imaging the Moon due to its sensitivity to light and it cannot image areas in the direction of the Sun. They are exceptionally expensive to build and position in place. Maintenance is difficult.

Why are large observatories built in remote locations up high mountains? The lack of environmental light in a less-inhabited area makes it possible to see vastly more heavenly objects in the night sky. This is partly why most observatories with optical telescopes are located out in the country, usually on top of a mountain.

What is the best location for an observatory? The ideal locations for modern observatories are sites that have dark skies, a large percentage of clear nights per year, dry air, and are at high elevations. At high elevations, the Earth's atmosphere is thinner, thereby minimizing the effects of atmospheric turbulence and resulting in better astronomical "seeing".

What is the most powerful observatory telescope? The Webb Space Telescope is the largest, most powerful and most complex telescope ever launched into space . It's design and development history stretches back before the Hubble Space Telescope was launched. Learn about the design, the major components and subsystems of Webb and see Webb in 3d in a 3d Solar System.

Can you look through a telescope at an observatory? For an experience of a lifetime, view celestial objects through our historic 60-inch or 100-inch telescopes. These are the largest telescopes in the world that are available for public use.

How to make a home observatory?

Are observatories still used today? Many modern telescopes and observatories are located in space to observe astronomical objects in wavelengths of the electromagnetic spectrum that cannot penetrate the Earth's atmosphere (such as ultraviolet radiation, X-rays, and gamma rays) and are thus impossible to observe using ground-based telescopes.

What do observatories look like? Optical Observatories Observatories that hold powerful optical telescopes are often in the shape of a dome. The dome opens partway when the telescope is in use. When the telescope is not in use, the dome is closed to protect the instrument from the weather.

Why do astronomers build their telescopes far away from cities? To avoid radio frequency interference (also called RFI) and atmospheric absorption, radio telescopes are usually built far from cities, towns, and technology.. That way, astronomers can study cosmic radio emissions that would otherwise be lost or swamped by noisy human-made signals.

Why are observatories built in remote locations as far from cities as possible? For optical telescopes, most ground-based observatories are located far from major

centers of population, to avoid the effects of light pollution. The ideal locations for modern observatories are sites that have dark skies, a large percentage of clear nights per year, dry air, and are at high elevations.

What are some reasons that observatories are built on remote mountaintops?

At high altitudes, there is less atmosphere to absorb infrared energy, which reveals details about some of the coldest objects in the universe, such as clouds of gas and dust and the disks of dust that give birth to planets. Mountaintops also have unobstructed views of the horizon in all directions.

Why are telescopes often placed in rural areas? The high level of light pollution in the urban sky makes it impossible to observe faint objects, but that doesn't mean you have to pack your astronomy equipment and go to the countryside, where the skies are much clearer and celestial objects appear brighter and more appealing.

The Official ACT Prep 2016-2017: Your Guide to Questioning and Answering

The ACT, a standardized test used for college admissions, requires students to demonstrate their knowledge and skills in critical reading, mathematics, science, and writing. The Official ACT Prep 2016-2017 offers a comprehensive guide to help students prepare for this important exam.

Paragraph 1: Critical Reading Questions

The Critical Reading section of the ACT tests students' ability to read and understand complex passages. Questions cover four primary question types: identifying the main idea, drawing inferences, finding support for claims, and analyzing the author's style. The Official ACT Prep 2016-2017 provides sample questions and thorough explanations to help students develop the skills necessary to answer these questions effectively.

Paragraph 2: Mathematics Questions

The Mathematics section of the ACT comprises four content areas: Pre-Algebra, Algebra, Geometry, and Trigonometry. Questions range from basic number operations to more advanced concepts such as probability and calculus. The Official ACT Prep 2016-2017 includes a variety of practice problems, ranging from easy to difficult, to help students identify and address their weaknesses and improve their

Paragraph 3: Science Questions

The Science section of the ACT assesses students' understanding of scientific concepts and their ability to interpret data. Questions cover three major areas: biology, chemistry, and physics. Rather than memorizing specific facts, students need to develop a strong foundation in scientific principles. The Official ACT Prep 2016-2017 provides clear explanations and practice questions to help students master these principles.

Paragraph 4: Writing Questions

The Writing section of the ACT requires students to write a short essay that demonstrates their critical thinking and writing skills. Students are given a topic and expected to develop a central argument, support it with evidence, and organize their thoughts coherently. The Official ACT Prep 2016-2017 provides a step-by-step guide to writing an effective ACT essay, including tips on structuring the essay, using evidence, and revising for clarity.

Paragraph 5: Practice Tests and Strategies

In addition to subject-specific content, The Official ACT Prep 2016-2017 also includes three full-length practice tests that simulate the actual ACT exam experience. These tests allow students to put their skills into practice and identify areas where they need additional improvement. The book also includes strategies for managing time effectively, pacing oneself during the exam, and tackling different question types with confidence.

By using The Official ACT Prep 2016-2017 as a comprehensive study guide, students can build the knowledge and skills necessary to succeed on the ACT. Through practice questions, test-taking strategies, and a deep understanding of the content, students can increase their chances of achieving their desired scores.

Sifeis Concaynt Strm: Unraveling the Mysteries

What is Sifeis Concaynt Strm?

Sifais Concaiynt Strm, also known as Sifeis Conc Strm, is an enigmatic object located within the constellation of Sagittarius. It is classified as a strange star, a type of object that exhibits unusual characteristics and challenges traditional astrophysical models.

What are the Key Features of Sifeis Concaiynt Strm?

Sifeis Concaiynt Strm is known for its extreme variability. Its brightness can fluctuate by several magnitudes on relatively short timescales, often with abrupt changes and unpredictable patterns. This behavior is not well understood and is a subject of ongoing research.

How is Sifeis Concaiynt Strm Studied?

Sifeis Concaiynt Strm is primarily studied through observations using telescopes, both ground-based and space-based. Astronomers monitor its brightness variations, spectral features, and other properties to gain insights into its nature and behavior.

What are the Proposed Explanations for Sifeis Concaiynt Strm's Variability?

Several hypotheses have been proposed to explain the extreme variability of Sifeis Concaiynt Strm. These include the following:

- **Magnetic Activity:** The changes in brightness may be driven by intense magnetic activity on the star's surface.
- **Accretion Disk:** Sifeis Concaiynt Strm may be surrounded by a dusty accretion disk that obscures its light, causing fluctuations as the disk moves around the star.
- **Stellar Merger:** It has been suggested that Sifeis Concaiynt Strm may result from a merger between two stars, leading to complex interactions and mass transfer between the components.

Is Sifeis Concaiynt Strm a Unique Object?

Sifeis Concaiynt Strm is considered an unusual object, but it is not entirely unique. Other stars have been identified with similar extreme variability characteristics.

However, the exact nature of these objects remains largely unknown, and further

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research is needed to uncover their origins and evolution.

The Dragon Looks South: China's Growing Influence in Southeast Asia

In the book "The Dragon Looks South: China and Southeast Asia in the New Century" (Praeger Security International, 2007), author Bronson Percival explores China's growing economic, political, and military influence in Southeast Asia.

1. What are the main factors driving China's interest in Southeast Asia?

- **Economic growth:** Southeast Asia is a rapidly growing economic region, and China sees it as a key market for its exports and investments.
- **Access to resources:** Southeast Asia is rich in natural resources, such as oil and gas, which China needs to fuel its economy.
- **Strategic location:** Southeast Asia is located along the sea lanes of communication between the Indian and Pacific Oceans, making it a strategically important region for China.

2. How has China expressed its interest in Southeast Asia?

- **Economic engagement:** China has become the largest trading partner for most Southeast Asian countries, and it has invested heavily in infrastructure and energy projects in the region.
- **Political outreach:** China has sought to strengthen its political ties with Southeast Asia through high-level visits and diplomatic initiatives.
- **Military expansion:** China has increased its military presence in the South China Sea, which is claimed by several Southeast Asian countries.

3. What are the implications of China's growing influence for Southeast Asia?

- **Economic opportunities:** China's economic engagement has brought economic benefits to many Southeast Asian countries, but it has also raised concerns about dependency and competition.
- **Political challenges:** China's growing influence has led to tensions between some Southeast Asian countries, who worry about being dominated by China.

- **Security concerns:** China's military expansion in the South China Sea has raised concerns about the future of regional security.

4. How are Southeast Asian countries responding to China's growing influence?

- **Balancing act:** Southeast Asian countries are trying to balance their economic ties with China with their security concerns.
- **ASEAN cooperation:** Southeast Asian countries are working together through the Association of Southeast Asian Nations (ASEAN) to manage their relationship with China.
- **External alliances:** Some Southeast Asian countries are also seeking closer ties with external powers, such as the United States and Japan, to counterbalance China's influence.

5. What is the future of China's relationship with Southeast Asia?

- **Growing interdependence:** China and Southeast Asia are becoming increasingly interdependent, due to economic ties and shared interests.
- **Continuing tensions:** There will likely be ongoing tensions between China and Southeast Asian countries over issues such as maritime disputes and political influence.
- **ASEAN's role:** ASEAN will continue to play a key role in managing China's influence and shaping the region's future.

[the official act prep 2016 2017, sifeis concaynt strm, the dragon looks south china and southeast asia in the new century praefer security international by bronson percival 2007 06](#)

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