

AstroBaqir

Monthly Magazine

March 2026



AstroBaqir

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www.astrobaqir.com



My Video Clip

Inverted view through telescope

As Royat-e-Hilal Committee was trying to search for new Moon in Pakistan, a journalist saw through the telescope which the committee was using and saw inverted view. He then made a video clip saying that our people are illiterate and cannot even notice the inverted view of telescope and trying to find the Moon.

On these remarks I made a clip in which I showed that telescopes always show inverted view and it does not bother our astronomical observations. This clip went viral and in Eid days thousands of people saw the clip and appreciated my efforts for correcting that person and everyone else in the country.

We can see on still of this clip here in next window. Because of this clip alone, my viewership on different social media platforms increased many folds.

Among others, Ministry of religious affairs, Pakistan also shared my post.

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Ministry of Religious Affairs & Interfaith Harmony, Pakistan
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Posts

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Yesterday at 15:14

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20 Mar ·

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AstroBaqir quick fact number 137

Moon Hiding a Star

Occultation event

This sequence beautifully captures a stellar occultation, where the Moon passes in front of the distant star HD 18475 in the constellation Aries. Over just a few seconds, the star gradually disappears behind the Moon's rugged limb, illustrating the sharp edge of the lunar surface and the relative motion between celestial bodies. Such observations are scientifically valuable, as they can help refine lunar limb profiles and stellar positions, while also offering a striking visual demonstration of orbital mechanics in action.

I captured this moment using my Celestron 130, which is in my use for more than 2 years now. I used my android cellphone to capture these images. In the sequence we can see how Moon came in front of star in matter of seconds.

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Moon hiding "HD 18475" Star of constellation Aries



2026-03-22_20:00:13

2026-03-22_20:00:23

2026-03-22_20:00:30

2026-03-22_20:00:35

Celestron 130
Infinix 40 Pro Cellphone
22 March 2026 8:00 PM
Mohammad Baqir
Quetta, Pakistan



Moon with Regulus

Moon star duo

This image captures a beautiful celestial alignment where the Moon passes very close to the bright star Regulus on 30 March 2026. Unlike an occultation, the star remains visible, shining just beside the Moon's brilliant limb, creating a striking contrast between the intense lunar glare and the steady pinpoint light of Regulus. Such close approaches occur because Regulus lies near the ecliptic, the path followed by the Moon across the sky. Events like this are particularly valuable for observers, as they allow precise tracking of the Moon's motion against the background stars. The brightness difference also highlights the challenge of imaging faint objects near the Moon's glare, making this capture technically impressive. Additionally, conjunctions with prominent stars like Regulus help in sky orientation and serve as excellent reference points for both amateur and professional astronomers.

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2:15 AM

30 March 2026

Quetta, Pakistan

Active on social media

From past few months, I am very much active on social media. Currently I am using three platforms, Facebook, Tiktok and Instagram. My youtube channel is also active, with little less pace, and my website is also available.

I am being appreciated on national as well as on international levels.

In future I am looking forward for collaboration with different institutions and people to enhance the knowledge of astronomy in the country and also on international level.

My social media accounts are getting attention with accelerated pace. Within days my views and subscribers and well wishers have increased many folds.

I am also looking forward for making account on X and visiting different institutions in person.

May Allah grant me enough knowledge and energy to complete my tasks, Ameen.

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2:15 AM

30 March 2026

Quetta, Pakistan

Earth Shine on Moon

The soft, ghostly illumination visible on the darker portion of the Moon in your image is called Earthshine. This phenomenon occurs when sunlight first reflects off the Earth—particularly from bright clouds, oceans, and ice—and then travels to the Moon, faintly lighting up its night side. As a result, even the part of the Moon not directly illuminated by the Sun becomes visible, revealing subtle surface details like maria and highlands. Earthshine is most noticeable during the crescent phases, when the Earth appears nearly “full” as seen from the Moon, providing maximum reflected light. Historically, this effect was beautifully described by Leonardo da Vinci, who correctly understood that the Earth itself was responsible for this faint glow. The delicate contrast between the bright sunlit crescent and the dimly glowing remainder creates one of the most captivating and scientifically meaningful views in observational astronomy.

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22 March 2026
Quetta, Pakistan

Deep sky objects

Deep-sky objects are celestial objects located far beyond our Solar System, encompassing a wide variety of fascinating structures such as galaxies, nebulae, and star clusters. These objects are typically faint and require dark skies and telescopes to observe, making them a primary focus for both amateur and professional astronomers. Galaxies, like our own Milky Way, contain billions of stars and reveal the large-scale structure of the universe, while nebulae often serve as stellar nurseries where new stars are born. Star clusters, whether open or globular, provide important insights into stellar evolution and the age of stars. Observing deep-sky objects not only offers breathtaking views but also helps us understand the formation, evolution, and vastness of the universe.

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As of 31st March 2026

Galaxies	176
Nebulae	52
Star Clusters	60
Extra Galactic objects	13

Total
301



19 PLAY



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