

NASA shares a rare photograph of a 'rainbow' surrounding the Moon

This impressive moment of the Moon was recorded by photographer Giorgia Hofer and recently NASA shared it for everyone to admire.

Perhaps most people at least once in their life have seen the phenomenon of rainbows coming out after the rain, but the sight of rainbows surrounding the Moon right at night is most likely never thought of. not to mention admiring.

However, this amazing natural phenomenon happened on a full moon night in the city of Turin, Italy in 2014. Before that, the phenomenon of rainbow appearing around the Moon right at night had never happened.

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In the picture above, the Moon is surrounded by a rainbow-like band. But that band of color is actually a corona (halo or aura) created by quantum mechanical diffraction of light around water droplets of approximately equal size in a layered and transparent cloud. Diffraction creates different colors because each wavelength has a different color.

Halos rarely appear around the Moon, in the Sun this is more common. However, the halo around the Sun is more difficult to see, sometimes even unable to see their actual colors. But with the halo appearing around the Moon, we can clearly see their colors with the naked eye.

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