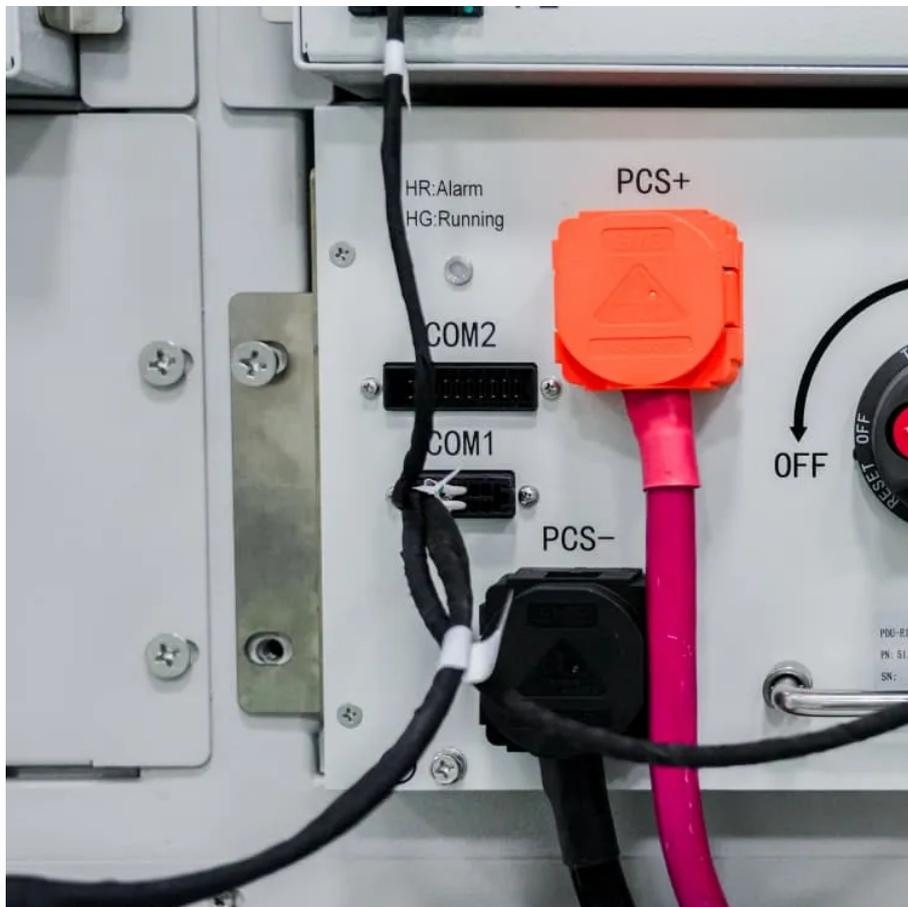


# Solar glass stripes are large





## Overview

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The stripes are only about 20 kilometers wide, so roughly the size of Manhattan, and are caused by thin, sheet-like magnetic fields on the Sun. What does the sun's surface look like?

It sort of looks like a honeycomb of hot gas, or a hazelnut croquant. Sharpest-ever view of the Sun's surface reveals ultra-fine magnetic "stripes," known as striations. Credit: NSF/NSO/AURA.

How big are the Sun's striations?

They're around 12 miles wide (20 kilometers), roughly the length of Manhattan, which is tiny compared to the monstrous size of the Sun. The striations are the result of curtain-like sheets of magnetic fields that ripple and shift across the surface of the Sun.

How does the world's largest solar telescope work?

Credit: NSF/NSO/AURA Scientists used the world's largest solar telescope to capture incredibly detailed images of the Sun's surface, revealing ultra-fine magnetic stripes rippling across the star and magnetic fields that resemble fluttering curtains, which modify light.

Are magnetic stripes a fundamental phenomenon in the universe?

Credit: NSF/NSO/AURA "Magnetism is a fundamental phenomenon in the universe, and similar magnetically induced stripes have also been observed in more distant astrophysical objects, such as molecular clouds," Han Uitenbroek, NSO scientist and co-author of the study, said in a statement.



## Solar glass stripes are large

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Jun 4, 2025 · The stripes, called striations, ripple across the walls of solar granules--convection cells in the Sun's photosphere where hot gas rises from inside the star to reach the surface.

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Jun 4, 2025 · The striations are stripe-like features that form on the edges of granules, the solar convection cells that appear on the Sun's surface. ...

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Jun 22, 2025 · Title: Tiny Stripes on the Sun, Big Impacts on Earth: The Sharpest Solar View Ever Once there was...a giant ball of fire in our sky--the Sun--so familiar and steady, yet filled with ...

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