

Scientists Say Sun Is Tearing Asteroid Apart as Earth Passes Through Debris

A newly uncovered space phenomenon is drawing attention after scientists confirmed that an asteroid is being torn apart by the Sun, leaving Earth moving through the remnants of its debris trail.

The discovery has sparked dramatic headlines suggesting danger, but the reality is far less alarming and far more fascinating. Researchers say the event has created a previously unknown meteor stream that is now intersecting with Earth's orbit.

In a recent study, scientists identified a cluster of 282 meteors tied to a single asteroid that passed extremely close to the Sun.

As reported by [NASA](#), that close approach caused the asteroid to heat up, crack and shed material into space.



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That material now forms a stream of dust and small fragments that Earth is currently passing through.

While the phrase "flying through debris" may sound ominous, scientists say this is the same process that produces everyday meteor showers. When tiny particles from space enter Earth's atmosphere, they burn up almost instantly, creating the streaks of light commonly known as shooting stars.

Most of these particles are no larger than grains of sand and pose no threat to the planet.

Researchers explain that the asteroid's destruction is driven by extreme solar heat. As it travels closer to the Sun than Earth ever does, its surface begins to fracture, releasing dust, gas and fragments into space.

This kind of object is sometimes referred to as an "active asteroid," meaning it behaves in ways similar to a comet by shedding material as it moves through its orbit.

Scientists say the discovery is significant not because of any danger to Earth, but because it reveals a hidden process happening throughout the solar system. By tracking meteor activity, researchers can identify asteroids that would otherwise go unnoticed.

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