

# Astronomy today 6th edition

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**Where can I get astronomical data?**

**Why is astronomy important to us today?** On a more pressing level, astronomy helps us study how to prolong the survival of our species. For example, it is critical to study the Sun's influence on Earth's climate and how it will affect weather, water levels etc.

**What is the best way to obtain astronomical data?**

**How can I get free satellite data?**

**Who is the best astronomer today?** Neil deGrasse Tyson (1958 - present) Taking the torch from Carl Sagan, Neil deGrasse Tyson has become the public's go-to guy for astronomical knowledge.

**How do we know how far things are in the universe?** Lightyears. A common method for measuring distance in space is to measure how far light travels in one year: known as a lightyear, which is around 9.5 trillion km. If you want to be precise, the IAU regards a year as 365.25 days, making a lightyear 9,460,730,472,580,800m.

**Does astronomy affect humans?** Astronomy has and continues to revolutionize our thinking on a worldwide scale. In the past, astronomy has been used to measure time, mark the seasons, and navigate the vast oceans. As one of the oldest sciences astronomy is part of every culture's history and roots.

**How is most of today's astronomy data collected?** And rather than looking through an eyepiece, like astronomers of yore, researchers today collect an enormous array of observations across the electromagnetic spectrum, from X-rays to radio waves, using sophisticated digital detectors.

**What is the most widely recognized astronomical object?** “Stars are the most widely recognized astronomical objects, and represent the most fundamental building blocks of galaxies.

**Where do astronomers get their data?** Modern astronomical observatories provide investigators with data products in calibrated, canonical digital formats. They also process and package these data for deposit into dedicated archives. Examples include the Sloan Digital Sky Surveys, Hubble Legacy Archive, and Chandra Source Catalogs.

**Can I see my house in real time on Google Earth?** Why Google Earth Isn't Real-Time. The truth is, Google Earth's images are outdated by months, if not years. These images undergo intensive processing, caching, and various updates before they land on your screen. Therefore, expecting a real-time view is setting yourself up for disappointment.

**Can I see live satellite footage of my house?** Absolutely not. As of May 2024, with current publicly available commercial satellite technology, you cannot access a real-time view of your house. Orbiting satellites capturing images of Earth do not constantly transmit data. They capture images periodically, and it takes time to process and deliver those images.

**Which is more accurate, Google Maps or Google Earth?** In the comparison of Google Maps vs. Google Earth, Google Earth has better exploration and virtual tours capability due to providing more realistic images of different places on Earth and by providing short tours of popular destinations.

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**Where can I get satellite data?**

## Where can I find geo data?

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