

NASA image: Earth's atmospheric layers

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Credit: NASA/JSC Gateway to Astronaut Photography of Earth

International Space Station astronauts captured this photo of Earth's atmospheric layers on July 31, 2011, revealing the troposphere (orange-red), stratosphere and above. Satellite instruments allow scientists to better understand the chemistry and dynamics occurring within and between these layers.

NASA monitors Earth's vital signs from land, air and space with a fleet of satellites and ambitious and ground-based observation campaigns.

NASA develops new ways to observe and study Earth's interconnected natural systems with long-term data records and computer analysis tools to better see how our planet is changing.

The agency shares this unique knowledge with the global community and works with institutions in the United States and around the world that contribute to understanding and protecting our home planet.

Provided by NASA

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