

Atmospheric conditions of earth



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[ATom: Merged Atmospheric Chemistry, Trace Gases, and](#)

This dataset provides information on greenhouse gases and human-produced air pollution, including atmospheric concentrations of carbon dioxide (CO₂), methane (CH₄), tropospheric ozone (O₃), and

Atmospheric Carbon Monoxide

NASA's carbon monoxide data track historical and near real-time levels of this pollutant, enabling studies of air quality and atmosphere composition.



[Global Maps of Atmospheric Nitrogen Deposition, 1860, 1993](#)

This data set provides global gridded estimates of atmospheric deposition of total inorganic nitrogen (N), NH_x (NH₃ and NH₄⁺), and NO_y (all oxidized forms of nitrogen other than N₂O), in mg N/m²/year, for

[MetMatters guide to the Earth's atmosphere](#)

From the troposphere to the exosphere, our atmosphere is a dynamic multi-layered structure that regulates weather, climate and even life



1.2: Overview of Earth's

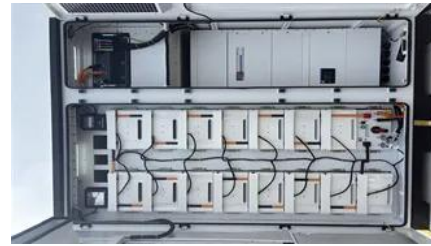


Atmosphere

This page explains the importance of solar radiation in driving Earth's processes and weather patterns while detailing the composition and structure of the

Atmosphere

The clouds you see in the sky, the wind that is moving the trees or the flag in your school yard, even the sunshine you feel on your face-these are



[The Atmosphere , National Oceanic and Atmospheric Administration](#)

The atmosphere surrounds the Earth and holds the air we breathe; it protects us from outer space; and holds moisture (clouds), gases, and tiny particles. In short, the atmosphere is the

[NASA Atmospheric Composition Ground Networks Supporting Air](#)

In this five-part, online, intermediate-level training, multiple NASA networks provide training on their atmospheric composition ground networks. These networks provide data relevant to



[Earth's atmosphere: Facts about our planet's protective](#)

Everything you need to know about Earth's atmosphere including its composition, climate & weather. Earth's atmosphere is very special indeed.

Atmosphere

Atmospheric Physics (AP) studies the physics and dynamics of the atmosphere, temperature, moisture, and wind to better understand the



Atmosphere

Earth's atmosphere is a layer of mixed gases approximately 60 miles high that provides the air we breathe, shields us from dangerous levels of ultraviolet light from the sun, and traps

[Atmospheric Tomography Mission , NASA Earthdata](#)

The Atmospheric Tomography Mission (ATom) was a NASA Earth Venture Suborbital-2 mission to study the impact of human-produced air pollution on greenhouse gases and on chemically



Air Quality

NASA's air quality data allow users to measure pollutants in the atmosphere and track their health and socioeconomic impact on people.

Atmospheric Temperature

Discover and Visualize Atmospheric Temperature Data NASA data help us understand Earth's changing systems in more detail than ever before, and visualizations bring these data to life,





Layers of the Atmosphere

There are five main layers that make up the atmosphere, differentiated by factors such as temperature, chemical composition, and air density. An illustration of the five different layers of

Atmospheric Winds

Discover and Visualize Atmospheric Winds Data
NASA data help us understand Earth's changing systems in more detail than ever before, and visualizations bring these data to life, making



Atmospheric Rivers

NASA's Earth-observing satellites help scientists identify atmospheric rivers, which enables studies of climate change, water management, and weather.

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