



RESOURCES FOR EARTH AND PLANETARY RESEARCH

## Introduction

This is a guide to locating resources for Earth and planetary research. Most products are free and available for download. It is your responsibility to check for any usage restrictions. Products include maps, imagery, and data.

Every effort has been made to ensure the information in this guide is accurate. Updates and improvements will be made on a continual basis. Any discrepancies or faulty links should be brought to the attention of:

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# MERCURY

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## National Aeronautics and Space Administration

- [NASA's Photojournal: Mercury](#)
- [Planetary Data System: Mercury](#)
- [National Space Science Data Center: Mercury](#)
- [Scientific Visualization Studio: Mercury](#)
- [MESSENGER: Mission to Mercury](#)
- [PDS Imaging Node](#)
- [PDS Geoscience Node](#)

## Lunar and Planetary Institute

- [Mercury Map Catalog](#)
- [NASA Regional Planetary Image Facility.](#)

## Space Exploration Resources

- [Mariner 10 Image Archive](#)

## Astrogeology Science Center

- [Planetary GIS Web Server](#)
  - [Mercury Geology Downloads](#)
- [Gazetteer of Planetary Nomenclature](#)
- [Digital Geologic Maps of the Planets](#)
- [Planetary Map Index](#)
- [Messenger Global Mosaic](#)
- [Planetary Image Locator Tool \(PILOT\)](#)

## MESSENGER Mission site

- [QuickMap](#)
- [MESSENGER Science Images](#)
- [Global Mosaics of Mercury](#)
- [Mercury in Google Earth](#)
- [MESSENGER Movies](#)
- [MESSENGER Animations](#)

# VENUS

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## National Aeronautics and Space Administration

- [NASA's Photojournal: Venus](#)
- [Planetary Data System: Venus](#)
- [National Space Science Data Center: Venus](#)
- [Scientific Visualization Studio: Venus](#)
- [Pioneer Venus Project](#)
- [Pioneer Venus Gallery](#)
- [PDS Imaging Node](#)
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## Astrogeology Science Center

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- [Maps of Venus Published by USGS](#)
- [Magellan Impact Crater Database](#)
- [Planetary Image Locator Tool \(PILOT\)](#)

## European Space Agency

- [ESA's Planetary Science Archive: Venus Express](#)
- [ESA Multimedia Gallery: Venus](#)

## Lunar and Planetary Institute

- [Venus Crater Database](#)
- [NASA Regional Planetary Image Facility.](#)

# EARTH

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## **United States Geological Survey**

- [USGS Online Store](#)
- [Earth Science Information Centers](#)
- [State U.S. Geological Surveys](#)
- [The National Map](#)
- [Historical Maps](#)
- [BP&CRADA Maps](#)
- [National Geologic Map Database](#)

## **Aerial Photography Field Office**

- [Historical Aerial Photography](#)
- [National Agriculture Imagery Program](#)

## **Earth Resources Observation and Science Center**

- [Aerial Photography](#)
- [Satellite Products](#)
- [Elevation Products](#)
- [Land cover Products](#)
- [Digitized Map Products](#)
- [Landsat Image Gallery](#)
- [EROS Image Gallery](#)
- [Emergency Operations](#)
- [National Satellite Land Remote Sensing Data Archive](#)

## **National Environmental Satellite, Data, and Information Service**

- [NESDIS Satellite Products](#)
- [NOAA Environmental Visualization Laboratory](#)
- [Operational Significant Event Imagery](#)

## **National Geophysical Data Center**

- [Bathymetry & Global Relief](#)
- [Defense Meteorological Satellite Program Data Archive](#)

## **National Snow and Ice Data Center**

- [Antarctic Glaciological Data Center](#)
- [Atlas of the Cryosphere](#)
- [MODIS Mosaic of Antarctica \(MOA\) Image Map](#)
- [Virtual Globes](#)
- [Digital Elevation Models](#)
- [NASA Icebridge Data](#)
- [Glacier Photograph Collection](#)
- [National Snow and Ice Distributed Active Archive Center](#)
- [Images of Antarctic Ice Shelves](#)
- [Radarsat Images of Antarctica](#)
- [Data at NSIDC](#)

## **National Oceanographic Data Center**

- [Satellite Data](#)

## **National Climatic Data Center**

- [Integrated Map Application](#)
- [Global Maps](#)
- [US Maps](#)
- [Regional Maps](#)

## **National Aeronautics and Space Administration**

- [NASA's Photojournal: Earth](#)
- [National Space Science Data Center: Earth](#)
- [Visible Earth](#)
- [Earth Observatory](#)
- [NASA Earth Observations](#)
- [Earth From Space](#)
- [Gateway to Astronaut Photography](#)
- [Distributed Active Archive Centers](#)
- [Scientific Visualization Studio](#)
- [EOS Data and Information System](#)
- [Goddard Earth Sci Data and Info Services Cntr](#)
- [Ocean Biology Processing Group](#)
- [Earth Sci Data and Info System Project](#)
- [Shuttle Radar Topography Mission \(SRTM\)](#)
- [SIRC-R/X-SAR Image Gallery](#)
- [Physical Oceanography Distributed Active Archive Center](#)
- [Blue Marble 2012](#)
- [Suomi NPP Homepage](#)
- [SERVIR GLOBAL](#)

## **European Space Agency**

- [Observing the Earth](#)
  - [ESA Multimedia Gallery: Earth](#)
- [Earth From Space: Image Archive](#)
- [MIRAVI: Image Rapid Visualisation](#)
- [Earth Observing Principal Investigator Portal](#)
- [Earthnet Online](#)
- [eoPortal: Sharing Earth Observation Resources](#)

## **European Organisation for the Exploitation of Meteorological Satellites**

- [Data and Products](#)
- [Data Access](#)
- [Image Gallery](#)

## **Japan Aerospace Exploration Agency**

- [JAXA Missions](#)
- [JAXA Digital Archives: Earth Observations](#)
- [EO Satellite Data Search/Order System](#)
- [EORC Typhoon Database](#)
- [Global Precipitation Distribution Update](#)
- [Sentinel Asia](#)

# MOON

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## **National Aeronautics and Space Administration**

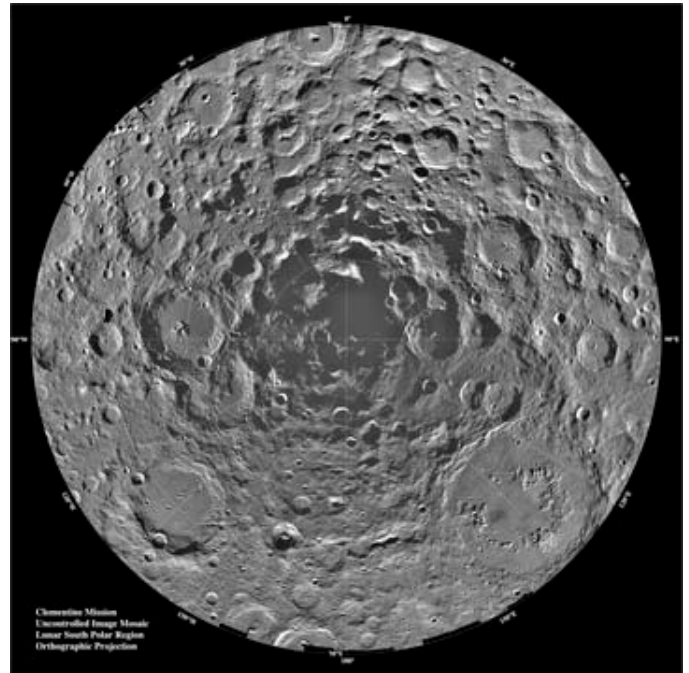
- [NASA's Photojournal: The Moon](#)
- [National Space Science Data Center: The Moon](#)
- [Planetary Data System: The Moon](#)
- [Scientific Visualization Studio: The Moon](#)
- [The Apollo Missions](#)
- [Apollo Lunar Surface Journal](#)
- [Apollo Flight Journal](#)
  - [Apollo SIM Cameras](#)
- [Astronaut Still Photography During Apollo](#)
- [JSC Digital Image Collection](#)
- [Lunar Mapping and Modeling Project](#)
- [Lunar Reconnaissance Orbiter Project site](#)
- [Moon Mineralogy Mapper](#)
- [GRAIL Mission](#)
- [GRAIL MoonKAM](#)
- [PDS Imaging Node](#)
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## **Astrogeology Science Center**

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- [Apollo Anaglyph 3D-Images](#)
- [Apollo Landing Panoramas](#)
- [Apollo Topography](#)
- [Apollo Traverse Maps](#)
- [Clementine Near-IR Global Map](#)
- [Zond8 Historical Data Archive](#)
- [Lunar Orbiter Digitization Project](#)
- [Planetary Image Locator Tool \(PILOT\)](#)

## **Lunar and Planetary Institute**

- [Apollo Surface Panoramas](#)
- [LPI Clementine Mapping Project](#)
- [Lunar Orbiter Photo Gallery](#)
- [Digital Lunar Orbiter Photographic Atlas of the Moon](#)
- [Consolidated Lunar Atlas](#)
- [Apollo Image Atlas](#)
- [Lunar Map Catalog](#)
- [Ranger Photographs of the Moon](#)
- [NASA Regional Planetary Image Facility](#)



## **Space Exploration Resources**

- [Clementine Lunar Images](#)
- [Lunar Orbiter Images](#)
- [Apollo Image Archive](#)
- [Mercury/Gemini Image Archive](#)
- [Wilhelm's Geologic History of the Moon](#)
- [Digital Petrographic Slide Collection](#)
- [Lunar Reconnaissance Orbiter Camera](#)

## **U.S. Naval Research Laboratory**

- [Albedo Map of the Moon](#)
- [Selected Clementine Imagery](#)
- [Clementine Collection](#)
- [Clementine Lunar Map 2.0](#)

## **European Space Agency**

- [ESA's Planetary Science Archive: SMART-1 Spacecraft](#)
- [ESA Multimedia Gallery: Moon](#)

## **Japan Aerospace Exploration Agency**

- [Selene Mission](#)
- [Selene Data Archive](#)
- [JAXA Digital Archives: Moon](#)

## **Indian Space Research Organisation**

- [Results from Chandrayaan-1 Spacecraft](#)



# MARS

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## National Aeronautics and Space Administration

- [NASA's Photojournal: Mars](#)
- [National Space Science Data Center: Mars](#)
- [Planetary Data System: Mars](#)
- [Scientific Visualization Studio: Mars](#)
- [Mars Exploration Program](#)
  - [Mars Global Surveyor](#)
  - [Mars Pathfinder](#)
  - [Mars Odyssey](#)
  - [Mars Exploration Rovers](#)
  - [Mars Reconnaissance Orbiter](#)
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- [PDS Geoscience Node](#)
- [MOLA Homepage](#)

## Phoenix Mars Mission Site

- [Gallery](#)

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- [Maps of Mars Published by USGS](#)
- [Mars Global Digital Mosaic MDIM 2.1](#)
- [Mars MER Microscopic Imager Merged Products](#)
- [Mars Science Laboratory Landing Site Selection](#)
- [THEMIS Mosaics](#)
- [Viking Hemisphere Point Perspectives](#)
- [Mars Science Laboratory Candidate Landing Sites](#)
- [Mars-Ice Project](#)
- [Mars Surface Changes](#)
- [Planetary Image Locator Tool \(PILOT\)](#)

## Mars Space Flight Facility

- [Mars Odyssey: THEMIS](#)
  - [Maps of all Mars Images](#)
- [Mars Exploration Rovers: Mini-TES](#)
- [Mars Global Surveyor: TES](#)

## Space Exploration Resources

- [Viking: Lava Flows, Channels & Volcanoes](#)
- [Mariner 6 and 7 Images](#)
- [THEMIS Images](#)

## Lunar and Planetary Institute

- [Mars Map Catalog](#)
- [NASA Regional Planetary Image Facility.](#)

## Malin Space Science Systems

- [Captioned Mars Image Archive](#)
- [MOC Image Gallery](#)
- [MGS MOC wide Angle Map of Mars](#)
- [MOC Geodesy Mosaic](#)
- [Latest Mars Weather](#)
- [MOC Landing Site Images](#)
- [MOC Public Target Images](#)

## Space Telescope Science Institute

- [Hubble Space Telescope](#)
- [Data Archive](#)

## HubbleSite

- [Gallery](#)
- [Newscenter](#)

## HiRISE Site

- [Image Catalog](#)
- [Anaglyphs](#)
- [Stereo Pairs](#)
- [HiView: Data Explorer and Image Viewing App](#)

## CRISM Site

- [Gallery](#)

## European Space Agency

- [ESA's Planetary Science Archive: Mars Express](#)
- [Mars Express Science Operations](#)
- [ESA Multimedia Gallery: Mars](#)



# ASTEROIDS

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## National Aeronautics and Space Administration

- [NASA's Photojournal: Asteroids & Comets](#)
- [National Space Science Data Center: Asteroids](#)
- [Planetary Data System: Asteroids](#)
- [Scientific Visualization Studio: Asteroid](#)
- [Galileo Legacy Site](#)
- [Dawn Mission](#)
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## Astrogeology Science Center

- [Gazetteer of Planetary Nomenclature](#)

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## Space Exploration Resources

- [Near Earth Asteroid Rendezvous Images](#)

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## HubbleSite

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## Near Earth Rendezvous Mission Site

- [Gallery](#)

## European Space Agency

- [ESA's Planetary Science Archive: Rosetta](#)
- [Rosetta Science Operations Centre](#)
- [ESA Multimedia Gallery: Asteroids and Comets](#)

## Japan Aerospace Exploration Agency

- [Hayabusa Project](#)
- [Hayabusa: The Final Approach](#)
- [JAXA Digital Archives: Asteroid](#)
- [Hayabusa Science Data Archive](#)

# JUPITER

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## National Aeronautics and Space Administration

- [NASA's Photojournal: Jupiter](#)
- [National Space Science Data Center: Jupiter](#)
- [Planetary Data System: Jupiter](#)
- [Scientific Visualization Studio: Jupiter](#)
- [Voyager: The Interstellar Mission](#)
- [Galileo Legacy Site](#)
- [Cassini Solstice Mission](#)
- [Mars Global Surveyor](#)
- [Juno Mission](#)
- [PDS Imaging Node](#)

## New Horizons Mission Site

- [Gallery](#)

## Lunar and Planetary Institute

- [Ganymede Crater Database](#)
- [Callisto Crater Database](#)
- [NASA Regional Planetary Image Facility.](#)

## Cassini Imaging Central Laboratory for Operations

- [Imaging Diary](#)
- [Newsroom](#)

## Astrogeology Science Center

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- [Maps of Jupiter Published by USGS](#)
- [Callisto Voyager and Galileo Global Mosaics](#)
- [Europa Voyager Galileo Global Mosaics](#)
- [Ganymede Voyager Galileo Global Mosaics](#)
- [Io Voyager Galileo Global Mosaics](#)
- [Io's Aurorae](#)
- [Planetary Image Locator Tool \(PILOT\)](#)

## Space Telescope Science Institute

- [Hubble Space Telescope](#)
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## European Space Agency

- [ESA Multimedia Gallery: Jupiter](#)

# SATURN

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## National Aeronautics and Space Administration

- [NASA's Photojournal: Saturn](#)
- [National Space Science Data Center: Saturn](#)
- [Planetary Data System: Saturn](#)
- [Voyager: The Interstellar Mission](#)
- [Cassini Solstice Mission](#)
- [PDS Imaging Node](#)

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- [Saturn Satellites Voyager Global Maps](#)
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## Space Telescope Science Institute

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## HubbleSite

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## European Space Agency

- [ESA's Planetary Science Archive: Huygens](#)
- [ESA Multimedia Gallery: Saturn](#)

# URANUS

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## National Aeronautics and Space Administration

- [NASA's Photojournal: Uranus](#)
- [National Space Science Data Center: Uranus](#)
- [Planetary Data System: Uranus, Neptune and Pluto](#)
- [Voyager: The Interstellar Mission](#)
- [PDS Imaging Node](#)

## Astrogeology Science Center

- [Planetary Image Locator Tool \(PILOT\)](#)

## Lunar and Planetary Institute

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## Cassini Imaging Central Laboratory for Operations

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- [Newsroom](#)

## Space Telescope Science Institute

- [Hubble Space Telescope](#)
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## HubbleSite

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# NEPTUNE

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## **National Aeronautics and Space Administration**

- [NASA's Photojournal: Neptune](#)
- [National Space Science Data Center: Neptune](#)
- [Planetary Data System: Uranus, Neptune and Pluto](#)
- [Voyager: The Interstellar Mission](#)
- [PDS Imaging Node](#)

## **Lunar and Planetary Institute**

- [NASA Regional Planetary Image Facility.](#)

## **Cassini Imaging Central Laboratory for Operations**

- [Imaging Diary](#)
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# DWARF PLANETS

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## **National Aeronautics and Space Administration**

- [National Space Science Data Center: Pluto](#)
- [Planetary Data System: Uranus, Neptune and Pluto](#)

## **New Horizons Mission Site**

- [Gallery](#)

## **Lunar and Planetary Institute**

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# COMETS

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## **National Aeronautics and Space Administration**

- [NASA's Photojournal: Asteroids & Comets](#)
- [National Space Science Data Center: Comets](#)
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- [Galileo Legacy Site](#)
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- [Stardust-NExT](#)
- [Deep Impact Legacy Site](#)
- [EPOXI Mission Page](#)

## **Deep Impact Project Site**

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- [Gallery](#)

## **EPOXI Project Site**

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- [Data Archive](#)

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## **European Space Agency**

- [ESA's Planetary Science Archive: Rosetta](#)
- [Rosetta Science Operations Centre](#)
- [ESA's Planetary Science Archive: Giotto](#)
- [ESA Multimedia Gallery: Comets and Asteroids](#)