

Credits: NASA's Goddard Space Flight Center/Kathryn Mersmann. NASA's Worldview app lets you explore Earth as it looks right now or as it looked almost 20 years ago. See a view you like? Take a snapshot and share your map with a friend or colleague. Want to track the spread of a wildfire? You can even create an animated GIF to see change ...

On 15 October 2024, ESA's Euclid space mission revealed the first piece of its great map of the Universe, showing millions of stars and galaxies. This first chunk of the map, which is a huge mosaic of 208 gigapixels, was revealed at the International Astronautical Congress in Milan, Italy, by ESA's Director General Josef Aschbacher and ...

2 days ago&#0183; Earth Information Center. For more than 50 years, NASA satellites have provided data on Earth's land, water, air, temperature, and climate. NASA's Earth Information Center allows visitors to see how our planet is changing in six key areas: sea level rise and coastal impacts, health and air quality, wildfires, greenhouse gases, sustainable energy, and agriculture.

Why NASA's SPHEREx Mission Will Make "Most Colorful" Cosmic Map Ever. article 7 days ago. Highlights. 3 min read. Integrating Relevant Science Investigations into Migrant Children Education ... and over the last 65 years it has continued to push the boundaries of aeronautics and space exploration. Now NASA is preparing to take humankind ...

Detailed Dark Matter Map Yields Clues to Galaxy Cluster Growth This NASA Hubble Space Telescope image shows the distribution of dark matter in the center of the giant galaxy cluster Abell 1689, containing about 1,000 galaxies and trillions of stars. Dark matter is an invisible form of matter that accounts for most of the universe's [...]

Construction has started on SPHEREx, a new space-based observatory that will map over 450 million galaxies in addition to 100 million stars in our own galaxy, across 96 color bands in the infrared ...

NASA's Eyes on the Solar System Eyes on Voyager This near real-time 3D data visualization uses actual spacecraft and planet positions to show the location of both Voyager 1 and 2 and many other spacecraft exploring our galactic neighborhood.

This map shows the oldest light in our universe, as detected with the greatest precision yet by the Planck mission. The ancient light, called the cosmic microwave background, was imprinted on the sky when the universe was 370,000 years old. It shows tiny temperature fluctuations that correspond to regions of slightly different densities.

ViewSpace gives you the opportunity to explore our planet, solar system, galaxy, and universe. Provided free with the support of NASA, ViewSpace is developed by a team of scientists, educators, and communication

specialists who collaborate to ensure that content is accurate, up-to-date, engaging, relevant, and accessible to a wide audience.

This set of star maps was created by plotting the position, brightness, and color of 1.7 billion stars from the Hipparcos-2, Tycho-2, and Gaia Data Release 2 star catalogs, with help from the Yale Bright Star Catalog, ...

Stuff in Space is a realtime 3D map of objects in Earth orbit, visualized using WebGL. Stuff in Space requires WebGL and Web Worker support. Groups. Clear; GPS; Iridium; GLONASS; ... Rogue - Space Systems Corporation (none) This is a title. Find all objects from this launch... Int'l Designator. 1998-067A. Type. PAYLOAD. Apogee. 100 km.

The Euclid Space Telescope is on a remarkable mission to unlock the secrets of the universe by creating the most detailed 3D map ever made. This project, a joint endeavor by the European Space Agency (ESA) and NASA, aims to uncover the mysteries surrounding dark energy and dark matter--two phenomena that make up 95% of the universe but remain ...

3 days ago&#0183; NASA live: Follow live television broadcasts on NASA+, the agency's streaming service, and NASA's social media channels with this schedule of upcoming live events including news briefings, launches and landings. ... Why NASA's SPHEREx Mission Will Make "Most Colorful" Cosmic Map Ever. article 1 week ago. Highlights. 3 min read ...

With contributions from NASA, the mission will map a third of the sky in order to study a cosmic mystery called dark energy. ESA (the European Space Agency) has released a new, 208-gigapixel mosaic of images taken by Euclid, a mission with NASA contributions that launched in 2023 to study why the universe is expanding at an accelerating rate. . ...

This video highlights some of the details of NASA's eclipse map for 2023 and 2024. Credits: NASA/Beth Anthony; map by NASA/Scientific Visualization Studio/Michala Garrison; eclipse calculations by Ernie Wright, NASA Goddard Space Flight Center

It is the third brightest object in the sky and easy to spot if you know when to look up. NASA's Spot the Station mobile application and website make knowing when to see it easy. Read More . Visible to the naked eye, the space station looks like a fast-moving plane, only flies much higher, and travels thousands of miles an hour faster!

WhereIsWebb (via NASA Eyes) also provides users with a 3d model of Webb showing its location in our 3d solar system. The James Webb Space Telescope (sometimes called Webb or JWST) is a large infrared telescope with a 6.5-meter primary mirror. Webb will be the premier observatory of the next decade, serving thousands of astronomers worldwide.

Voyager 1 and its twin Voyager 2 are the only spacecraft ever to operate outside the heliosphere, the

protective bubble of particles and magnetic fields generated by the Sun. Voyager 1 reached the interstellar boundary in 2012, while Voyager 2 (traveling slower and in a different direction than its twin) reached it in 2018.

NASA's award-winning Space Place website engages upper-elementary-aged children in space and Earth science through interactive games, hands-on activities, fun articles and short videos. With material in both English and Spanish and numerous resources for kids, parents and teachers, Space Place has something for everyone.

Building a 3-D Map of Earth from Space! If you have been lucky enough to fly in an airplane, you know the world down here looks very different from up there. Mountains look like wrinkled drapery. ... The National Imagery and Mapping Agency of the U.S. Department of Defense, along with NASA and the Jet Propulsion Laboratory, ...

The International Space Station photographed by Expedition 56 crew members from a Soyuz spacecraft after undocking. NASA astronauts Andrew Feustel and Ricky Arnold and Roscosmos cosmonaut Oleg Artemyev executed a fly around of the orbiting laboratory to take pictures of the station before returning home after spending 197 days in space.

Base map generated using data from NASA's MODIS Land Cover, the Shuttle Radar Topography Mission (SRTM), the General Bathymetric Chart of the Oceans (GEBCO), and Natural Earth boundaries. Map labels by Stamen Design, under CC BY 3.0, using data by OpenStreetMap, under ODbL. Download the base map imagery on Visible Earth.

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