

EXHIBITION STORYLINE AND IMAGERY

Each of the exhibition's 13 anodized aluminum stanchions contains a high-resolution full-color storyboard and interpretive materials on a porcelain enamel panel. The imagery and text provide a compelling up-close view of the planets and moons, in stark contrast to the 3-D crystalline models at the one to 10-billion scale that speak

to the powerful reality of tiny worlds in a vast space. An acknowledgement and logo for any underwriting organizations can be placed on the two storyboards associated with the two exhibition overview stanchions, one near the Sun and the other near Pluto.

Imagery

Full color imagery, much of which was commissioned for the exhibition as scientific simulations derived entirely and directly from spacecraft data sets.

Text

Three stand-alone stories that transport the visitor by reshaping their Earthly experiences into those reflective of other worlds.

Size Comparison

Size of world compared to Earth.

Directional Signage

Arrow indicating direction, and average number of steps to next world.

Voyage To Jupiter
Giant Jupiter looms in the sky above its moon Io. An erupting volcano on Io's horizon sends a plume hundreds of miles into space. The eruptions mottle Io's surface with multicolored deposits of sulfur and lakes of lava.

A Solar System in Miniature
The largest planet, Jupiter reigns over at least 16 moons and a delicate system of rings. Four of the moons—Io, Europa, Ganymede, and Callisto—are larger than Pluto. Ganymede is even larger than Mercury. Europa has an icy surface that might conceal an ocean of liquid water—a promising place to look for life.

DISTANCE TO SUN	778.6 x 10 ⁶ km At jet speed (1000 km/hr), from Jupiter to the Sun
DIAMETER	11.2 x Earth 142,984 km
MOONS	at least 16
MASS	318 x Earth 1.90 x 10 ²⁷ kg
ROTATION PERIOD	9.9 Hours
TIME TO ORBIT SUN	11.9 Earth Years

Giant Jupiter
Jupiter's beauty masks turbulence beyond imagination. Between its colorful bands of clouds swirl hurricane-like storms. One, the Great Red Spot, could swallow 2 Earths. Beneath the clouds, an ocean of mostly hydrogen and helium extends to Jupiter's core.

Map: WASHINGTON MONUMENT, Entry Pluto, NEPTUNE, JEFFERSON DRIVE, URANUS, SATURN, JUPITER, MARS, VENUS, SUN, ENTRY, MERCURY, EARTH, CAPITOL HILL. Includes 'WALK THE SCALE MODEL SOLAR SYSTEM' and 'COMETS AND ASTEROIDS'.

Scale: 2'7" • .79m

In the real solar system, the planets almost never line up as they orbit the Sun.

Map

Each storyboard includes a customized site map providing your location relative to the other 12 stanchions and local landmarks.

Tactile Element

Planet name and planet to scale in raised relief.

Table of Information

Includes distance to the Sun, diameter, number of moons, mass, rotation period, and time to orbit the Sun, all in Earth units for ease of understanding, as well as in metric units.

OVER:

- Sample Imagery and Storylines

To become a *Voyage Community*, contact Stacy Hamel, Director, Voyage Exhibition Replication, National Center for Earth and Space Science Education at: 703-508-2898, shamel@usra.edu or visit www.voyagesolarsystem.org.

Sample Imagery and Storylines: Earth, Jupiter, and Mercury



Welcome Home

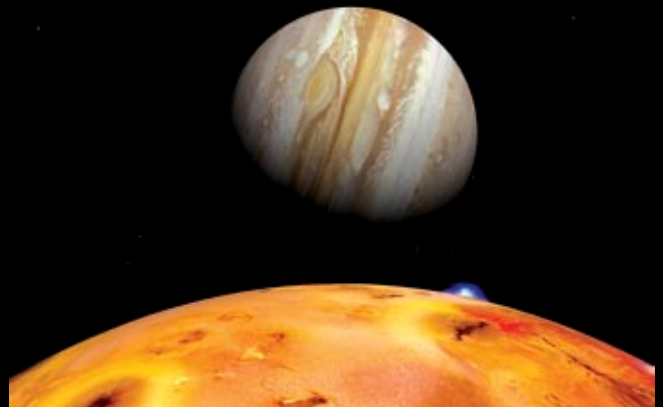
From space, Earth's swirling white clouds reveal an often-turbulent atmosphere. The browns are landmasses, but mostly we see the blue of a planet covered with oceans of water. As nightfall sweeps westward across its face, the land begins to glow with lights—we can see ourselves.

Earth. Computer-generated image created using GOES-8 imagery. ARC Science Simulations, © 2000.

Voyage to Jupiter

Giant Jupiter looms in the sky above its moon Io. An erupting volcano on Io's horizon sends a plume hundreds of miles into space. The eruptions mottle Io's surface with multicolored deposits of sulfur and lakes of lava.

Jupiter above Io. Computer-generated image created from Voyager and Galileo data. ARC Science Simulations, © 2000.



An Airless World

Mercury has virtually no air to scatter sunlight and color its sky. Even in daylight, if you face away from the blazing Sun, the sky appears black and dotted with stars. Sometimes visible among them are a blue speck and its tiny companion – Earth and its Moon.

Mercury. Mariner 10 mosaic from 1974 with colorization by ARC Science Simulations.



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Development and installation of the exhibition in Washington, DC, was a joint project of Challenger Center for Space Science Education, the Smithsonian Institution, and NASA. Replication and installation of the *Voyage* exhibition at sites nationally and internationally is a program of the National Center for Earth and Space Science Education (NCESSE; www.ncesse.usra.edu), Universities Space Research Association. *Voyage* was designed by Vincent Ciulla Design (www.ciulladesign.com).



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We believe that to continue the legacy of scientific exploration, every generation must be inspired to learn what we know about our world and the Universe, and how we have come to know it.

We also believe that it takes a community to educate a child... and that it takes a network of communities to reach a generation.