



NAS 1.43: Sp 1/27 (sticker)

STS-41 CREW PATCH

The STS-41 patch depicts the Space Shuttle orbiting the Earth after deployment of its primary payload -- the Ulysses Satellite. The Orbiter is shown passing over the southeastern United States, representative of its 28-degree inclination orbit. Ulysses, the Solar Exploration Satellite, will be the fastest man-made object in the universe, traveling at 30 miles per second (over 100,000 mph), and is represented by the streaking silver teardrop passing over the sun. Ulysses' path is depicted by the bright red spiral originating from the Shuttle's cargo bay. The path will extend around Jupiter where Ulysses will receive a gravitational direction change that will put it in a polar trajectory around the sun. The three-legged trajectory, extending out of the payload bay, is symbolic of the astronaut logo and is in honor of those who have given their lives in the conquest of space. The five stars, four gold and one silver, represent STS-41 and each of the crew members. (This patch was designed by the STS-41 crew.)

STS-43 Patch Description

The STS-43 patch portrays the evolution and continuity of our space program by highlighting 30 years of American manned space flight experience -- from Mercury to the Space Shuttle. The emergence of the Shuttle Atlantis from the outlined configuration of the Mercury space capsule commemorates this special relationship. The energy and momentum of launch are conveyed by the gradations of blue which mark the Shuttle's ascent from Earth to space.

Once in Earth-Orbit, Atlantis' cargo bay opens to reveal the Tracking and Data Relay Satellite which appears in gold emphasis against the white wings of Atlantis and the stark blackness of space. A primary mission objective, the Tracking and Data Relay Satellite System will enable almost continuous communication from Earth to space for future Space Shuttle missions. The stars on the patch are arranged to suggest this mission's STS number: four stars to the left of the Shuttle and three stars to the right. 830-H-06

NAS 1.43: B56

STS-40 CREW PATCH DESCRIPTION

The STS-40 patch is a bold contemporary statement focusing on human beings living and working in space. Against a background of the universe, each of the seven Shuttle crew members is emblematically represented by one of seven silver stars interspersed about the orbital path of the Space Shuttle Columbia. The Orbiter's flight path forms a double-helix designed to represent the DNA molecule common to all living creatures. It affirms the ceaseless expansion of human life and American involvement in space while simultaneously emphasizing the medical and biological studies to which this flight is dedicated. Above Columbia, the phrase "Spacelab Life Sciences 1" defines both the Shuttle mission and its payload. In the upper center portion of the patch, silhouetted against the blue darkness of the heavens, stands Leonardo Da Vinci's Vitruvian man. With one foot on the Earth and arms extended to touch the Shuttle's orbit, he serves as a powerful embodiment of the extension of human inquiry from the boundaries of Earth to the limitless laboratory of space. Sturdily poised amid the stars, he links the scientists on Earth to the scientists in space asserting the harmony of efforts which produce meaningful scientific space flight missions. At the center of the patch is a brilliant red and yellow Earth-limb linking Earth to space and radiating from a native American symbol for the sun. At the frontier of space, this traditional symbol for the sun vividly links America's past to America's future. Beneath the orbiting Shuttle the darkness of night rests peacefully over the United States. Designed for the crew of STS-40

NAS 1.43: SP 1/28

NAS 1.43: C72/4 (sticker)

Manned Flight Awareness
Commemorating
the First Flight of Space Shuttle
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