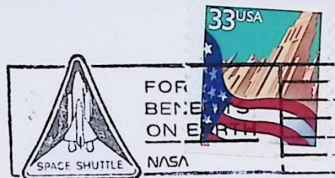
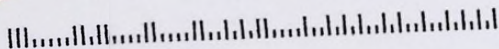


SPACE SHUTTLE  
STS-99/ENDEAVOUR



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## THE SHUTTLE (STS-99/ENDEAVOUR)

STS-99 will be known as the Shuttle Radar Topography Mission. STS-99 will make the most precise and detailed measurements of the Earth's surface ever attempted. The 11-day Space Shuttle Endeavour mission is an international project spearheaded by the National Imagery and Mapping Agency and NASA, with participation of the German Aerospace Center DLR. Two radar antennas, one located in the Orbiter Bay and the other located on the end of a 60-meter deployable mast, will be used during the mission to map Earth's features. The mast will be the largest fixed structure ever flown in space and will fly over regions never mapped before. The goal is to provide a 3-dimensional topographic map of the world's surface up to the Arctic and Antarctic Circles.

**THE STS-99 CREW** – The six-member crew will be commanded by experienced three-time space flier **Kevin R. Kregel**. Joining the astronaut program in 1992, he has accumulated more than 5000 flight hours in 30 different aircraft. The mission's pilot, **Dominic L. Gorie**, makes his second spaceflight since joining the astronaut corps in 1994. He filled the same role on STS-91, the final docking mission to the Russian space station Mir. Mission Specialist **Janet L. Kavandi** also served on STS-91, her sole previous space trip. During more than a decade of work as an engineer in industry, she contributed to many NASA projects before being selected to the astronaut program in 1994. Another mission specialist assigned to STS-99, **Janice E. Voss**, is the crew's most experienced member, having logged more than 909 hours in space on four previous missions since becoming an astronaut in 1990. The two other mission specialists are: **Mamoru Mohri**, of the Japanese space agency, will be on his second space voyage. He holds a doctorate in chemistry and has published more than 100 papers in the fields of material and vacuum sciences; **Gerhard P.J. Thiele**, the final mission specialist, makes his first spaceflight as a representative of the European Space Agency. With a doctorate in physics, he has written extensively on physical and chemical oceanography.

**THE STS-99 CREW INSIGNIA** – The STS-99 patch, designed by the crew, depicts the Shuttle Radar Topography Mission. The clear portion of Earth illustrates the radar beams penetrating its cloudy atmosphere and the unique understanding of the home planet that is provided by space travel. The grid on Earth reflects the mapping character of the radar mapping mission. Shuttle Endeavour can be seen orbiting Earth in a star spangled universe along with a rainbow depicted along Earth's horizon that resembles an orbital sunrise. The bright colors of the rainbow are symbolic of the bright future ahead of us because of humans venturing into space.