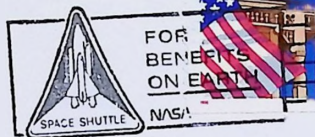
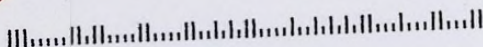


SPACE SHUTTLE
STS-83/COLUMBIA



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SPACE SHUTTLE (STS-83/COLUMBIA)

The Microgravity Science Laboratory-1 (MSL-1) Spacelab module will be the primary payload on Mission STS-83 aboard the Space Shuttle Columbia. MSL-1 will serve as a testbed for some of the hardware, facilities and procedures that will be used on the International Space Station. The seven-member flight crew will also conduct combustion, protein crystal growth and materials processing experiments during the 16-day mission.

THE STS-83 CREW – Mission Commander **James D. Halsell, Jr.** will be on his third space flight since his selection as an astronaut in 1990. Pilot **Susan L. Still** is the second woman to fly in this capacity on a Space Shuttle. She has more than 2,000 hours in 30 different types of aircraft. Payload Commander **Janice E. Voss** has flown on the shuttle twice before since becoming a mission specialist astronaut. The mission specialists are: **Michael L. Gernhardt**, a former deep sea diver, that first flew on the shuttle in 1995; **Donald A. Thomas**, a veteran of two shuttle trips, has been the Principal Investigator for a Space Shuttle crystal growth experiment. The two Payload Specialists are: **Roger K. Crouch**, an expert in semiconductor crystal growth, and **Gregory T. Linteris**, the Principal Investigator on a NASA microgravity combustion experiment. Mission Specialist astronaut **Catherine "Cady" Coleman** is now training as a backup crew member for Thomas, who broke his right ankle while in training for STS-83 nine weeks before the scheduled launch, if he is not able to fly.

THE STS-83 CREW INSIGNIA – The crew patch for STS-83 depicts the Space Shuttle Columbia launching into space for the first MSL-1 mission. The center circle symbolizes a free liquid under microgravity conditions representing various fluid and materials science experiments. Symbolic of the combustion experiments is the surrounding starburst of a blue flame burning in space. As a forerunner to missions involving International Space Station, STS-83 represents the hope that scientific results and knowledge gained during the flight will be applied to solving problems on Earth for the benefit and advancement of humankind.