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KENNEDY SPACE CENTER SPACE SHUTTLE STATUS REPORT  
FRIDAY, OCTOBER 20, 1995 (2:48 PM EDT)

LAUNCH DAY -- Flight Day 1

MISSION: [STS-73](#) -- U.S. MICROGRAVITY LABORATORY-2

VEHICLE: [Columbia/OV-102](#)  
LOCATION: Orbit  
LAUNCH DATE/TIME: Oct. 20 at 9:53 a.m. (EDT)  
[KSC LANDING](#) DATE/TIME: Nov. 5 at 6:48 a.m. (EST)  
MISSION DURATION: 15 days, 21 hours, 55 minutes  
CREW SIZE: 7  
ORBITAL ALTITUDE and INCLINATION: 172 statute miles/39 degrees

NOTE: Space Shuttle Columbia on mission STS-73 was launched today at 9:53 a.m., three minutes into the launch window. The short delay occurred at T-5 minutes as engineers confirmed range operations were up and capable of supporting launch. Columbia is scheduled to land at 6:48 a.m. Nov. 5 at [KSC's Shuttle Landing Facility](#).

The USML-2 payload has been activated and the crew, divided into two teams, will work 12-hour shift rotations in the Spacelab during their 16 days in space.

The STS-73 crew are: Commander Ken Bowersox, Pilot Kent Rominger, Mission Specialists Catherine Coleman, Michael Lopez-Alegria and Kathryn Thornton, and Payload Specialists Fred Leslie and Albert Sacco.

MISSION: STS-74 -- 2nd MIR DOCKING (Docking Module)

VEHICLE: [Atlantis/OV-104](#)  
LOCATION: [Pad 39A](#)  
TARGET LAUNCH DATE/TIME: Nov. 11 at about 7:57 a.m. EST  
LAUNCH WINDOW: 6 minutes, 57 seconds  
TARGET MIR DOCKING DATE: Nov. 14  
TARGET [KSC LANDING](#) DATE/TIME: Nov. 19 at about 7:04 a.m.  
MISSION DURATION: 7 days, 21 hours  
CREW SIZE: 5  
ORBITAL ALTITUDE and INCLINATION: 196-245 statute miles/51.6 degrees

NOTE: Mission managers have determined that Atlantis, on mission STS-74, will be targeted for launch no earlier Nov. 11. The official launch date will be established during the Flight Readiness Review next week.

KEY STS-74 OPERATIONAL MILESTONES (dates are target only):  
\* Launch Readiness Review (Oct. 23)  
\* Prelaunch propellant load (Oct. 23-24)  
\* Helium signature test (Oct. 26)  
\* Flight Readiness Review (Oct. 26)  
\* Begin aft engine compartment close-outs (Oct. 30)

MISSION: STS-72 -- SFU-Retrieval & OAST-Flyer

VEHICLE: [Endeavour/OV-105](#)  
LOCATION: Orbiter Processing Facility bay 3  
TARGET LAUNCH DATE/TIME: Jan. 11 at 4:18 a.m. EST  
LAUNCH WINDOW: 60 minutes  
TARGET [KSC LANDING](#) DATE/TIME: Jan. 20 at 2:54 a.m.  
MISSION DURATION: 8 days, 22 hours, 36 minutes  
CREW SIZE: 6  
ORBITAL ALTITUDE and INCLINATION: 184 statute miles/28.45 degrees

KEY STS-72 OPERATIONAL MILESTONES (dates are target only):  
\* Install main engines (Oct. 25-26)  
\* Final payload bay door closure (Nov. 21)  
\* Roll to Vehicle Assembly Building (Nov. 29)