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KENNEDY SPACE CENTER [SPACE SHUTTLE](#) STATUS REPORT  
THURSDAY, FEBRUARY 1, 1996 (9:31 AM EST)

KSC Public Affairs Contact: Bruce Buckingham  
E-MAIL: Bruce.Buckingham-1@kmail.ksc.nasa.gov

MISSION: [STS-75](#) -- TETHERED SATELLITE-1R & USMP-3

VEHICLE: [Columbia/OV-102](#)  
LOCATION: [Pad 39B](#)  
TARGET LAUNCH DATE/TIME: Feb. 22 at 3:18 p.m.  
LAUNCH WINDOW: 2 hours, 30 minutes  
TARGET [KSC LANDING](#) DATE/TIME: March 7 at 7:32 a.m.  
MISSION DURATION: 13 days, 16 hours  
CREW SIZE: 7  
ORBITAL ALTITUDE and INCLINATION: 184 statute miles/28.45 degrees

NOTE: Work continues to remove and replace the high pressure fuel turbo pump from [main engine](#) no. 1. The old pump will be removed late tonight and the new pump installed on Saturday. The Terminal Countdown Demonstration Test is underway and will end with a simulated main engine cut-off at about 11 a.m. Friday. The Tethered Satellite System (TSS) and USMP payloads have been installed into the orbiter's payload bay. TSS electrical mates are in work today.

IN WORK TODAY:  
\* Terminal Countdown Demonstration Test  
\* Remove and replace high pressure fuel turbo pump from main engine no. 1

KEY STS-75 OPERATIONAL MILESTONES (dates are target only):  
\* Payload interface verification test (Saturday/Sunday)  
\* Flight readiness review (Feb. 9)

MISSION: STS-76 -- 3rd MIR DOCKING

VEHICLE: [Atlantis/OV-104](#)  
LOCATION: [Orbiter Processing Facility](#) Bay 1  
TARGET LAUNCH DATE/TIME: March 21 at about 3:35 a.m.  
LAUNCH WINDOW: about 6 minutes  
TARGET KSC LANDING DATE/TIME: March 30 at about 8:05 a.m.  
MISSION DURATION: 9 days, 4 hours  
CREW SIZE: 6 up -- 5 down  
ORBITAL ALTITUDE and INCLINATION: 184 statute miles/51.6 degrees

NOTE: Leak checks of the Orbiter Docking System and the tunnel adapter continue today. Tunnel installation is set for Friday.

KEY STS-76 OPERATIONAL MILESTONES (dates are target only):  
\* Mate [external tank](#) with [solid rocket boosters](#) in Vehicle Assembly Building (Feb. 5)  
\* Crew equipment interface test (Feb. 8)

MISSION: STS-77 -- SPACEHAB-4 & SPARTAN 207

VEHICLE: [Endeavour/OV-105](#)  
LOCATION: [Orbiter Processing Facility](#) Bay 3  
TARGET LAUNCH DATE/TIME: May 16 at 6:32 a.m.  
TARGET [KSC LANDING](#) DATE/TIME: May 26 at 6:49 a.m.  
MISSION DURATION: 10 days  
CREW SIZE: 6  
ORBITAL ALTITUDE and INCLINATION: 176 statute miles/39 degrees

NOTE: Tests of the flash evaporator system continue this week. Forward reaction control system functional checks continue in work today.

KEY STS-77 OPERATIONAL MILESTONES (dates are target only):  
\* Remove Space Shuttle [main engines](#) (Feb. 16)