

GO TO THE [PREVIOUS](#) SPACE SHUTTLE STATUS REPORT

GO TO THE [NEXT](#) SPACE SHUTTLE STATUS REPORT

KENNEDY SPACE CENTER SPACE SHUTTLE STATUS REPORT  
WEDNESDAY, SEPTEMBER 20, 1995 (9:41 AM EDT)

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

VEHICLE: [Columbia/OV-102](#)  
LOCATION: [Pad 39B](#)  
TARGET LAUNCH DATE/TIME: Sept. 28 at 9:35 a.m. EDT  
LAUNCH WINDOW: 2 hours, 30 minutes  
TARGET [KSC LANDING](#) DATE/TIME: Oct. 14 at 7:30 a.m.  
MISSION DURATION: 15 days, 21 hours, 55 minutes  
CREW SIZE: 7  
ORBITAL ALTITUDE and INCLINATION: 172 statute miles/39 degrees

IN WORK TODAY:  
\* Aft engine compartment close-outs  
\* Continue ordnance operations  
\* Hypergolic fuel pressurization

WORK COMPLETED:  
\* Prelaunch propellant load  
\* Auxiliary power unit hot fire

KEY OPERATIONAL MILESTONES (dates are target only):  
\* Functional check-out of contingency spacesuits (Thursday)  
\* Begin countdown (4 a.m. Monday)  
\* STS-73 crew arrival at KSC (7 a.m. Monday)

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

VEHICLE: [Atlantis/OV-104](#)  
LOCATION: Orbiter Processing Facility bay 2  
TARGET LAUNCH DATE/TIME: Nov. 2 at 11:25 a.m. EST  
LAUNCH WINDOW: 9 minutes, 14 seconds  
TARGET MIR DOCKING DATE: Nov. 5  
TARGET KSC LANDING DATE/TIME: Nov. 10 at 8:30 a.m.  
MISSION DURATION: 7 days, 21 hours  
CREW SIZE: 5  
ORBITAL ALTITUDE and INCLINATION: 196-245 statute miles/51.6 degrees

KEY OPERATIONAL MILESTONES (dates are target only):  
\* Docking module interface verification test (Wednesday/Thursday)  
\* Final payload bay door closure (Sept. 26)  
\* Roll to Vehicle Assembly Building (Oct. 2)  
\* Move to [Pad 39A](#) (Oct. 9)

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

VEHICLE: [Endeavour/OV-105](#)  
LOCATION: Orbiter Processing Facility bay 3  
TARGET LAUNCH DATE/TIME: Jan. 11 at 5:04 a.m. EST  
LAUNCH WINDOW: 38 minutes  
TARGET KSC LANDING DATE/TIME: Jan. 20 at 3:14 a.m.  
MISSION DURATION: 8 days, 22 hours, 11 minutes  
CREW SIZE: 6  
ORBITAL ALTITUDE and INCLINATION: 184 statute miles/28.45 degrees

NOTE: Post-mission servicing of Endeavour following Monday’s landing at KSC continues in OPF bay 3. Jack and leveling operations are complete and work has begun to drain the residual cryogenic reactants from the orbiter’s onboard fuel cell supply tanks. The payload bay doors will be open tomorrow and the payloads removed on Saturday.

[DISCOVERY/OV-103](#) -- Pre-Orbiter Maintenance Down Period

VEHICLE: Discovery/OV-103  
LOCATION: Orbiter Processing Facility bay 1  
DATE OF DEPARTURE FOR PALMDALE, CALIF.: Sept. 26

NOTE: Discovery is scheduled to be delivered to Palmdale, Calif., for a nine-month Orbiter Maintenance Down Period (OMDP). During this time, the vehicle will be outfitted with a 5th set of cryogenic tanks and an external airlock to support missions to the international Space Station. Discovery is scheduled to depart KSC via the 747 Shuttle Carrier Aircraft (SCA) on Tuesday, Sept. 26. Discovery’s next flight, the second mission to service the Hubble Space Telescope, is targeted for launch in early 1997.

KEY OPERATIONAL MILESTONES:  
\* Install protective tail cone (in work today)  
\* Place orbiter on transporter and retract landing (Friday)  
\* Move orbiter to [Shuttle Landing Facility](#) for mate with 747 SCA (Monday)

GO TO THE [STATUS REPORTS](#) HOME PAGE