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[KENNEDY SPACE CENTER](#) SPACE [SHUTTLE](#) STATUS REPORT

WEDNESDAY, SEPTEMBER 18, 1996 (1:55 PM EDT)

FLIGHT DAY 3

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MISSION: [STS-79](#) -- 4th [MIR](#) DOCKING & [SPACEHAB](#) DM ([image](#))

All times are EDT

VEHICLE: [Atlantis/OV-104](#) ([image](#))

LOCATION: [Orbit](#)

OFFICIAL KSC LAUNCH DATE/TIME: Sept. 16 at 4:54:49 a.m. EDT

TARGET MIR DOCKING: Sept. 18 at about 11:13 p.m.

TARGET MIR UNDOCKING: Sept. 23 at about 9:31 p.m.

TARGET KSC LANDING DATE/TIME: Sept. 26 at about 8:12 a.m.

MISSION DURATION: 10 days, 3 hours, 18 minutes

CREW: Readdy, Wilcutt, Akers, Blaha (up), Lucid (down), Apt, Walz ([image](#))

ORBITAL ALTITUDE and INCLINATION: 196-245 statute miles/51.6 degrees

NOTE: Atlantis remains in orbit and is scheduled to dock with Mir tonight at about 11:13 p.m. Atlantis is scheduled to remain in orbit for about 10 days and [land back at Kennedy Space Center](#) on Sept. 26 at about 8:12 a.m. Returning with Atlantis will be Shannon Lucid, ending her record breaking six-month stay on the Mir space station.

The [solid rocket booster retrieval ships](#) have returned with the spent boosters to [Hangar AF](#). Open assessments will be conducted later today.

The [crew](#) of mission STS-79 are: Commander Bill Readdy; Pilot Terry Wilcutt; and Mission Specialists Jay Apt, Tom Akers, Carl Walz, John Blaha (up), and Shannon Lucid (down).

[Mission status reports](#) are issued daily by Johnson Space Center, Houston, TX.

MISSION: [STS-80](#) -- [WAKE SHIELD FACILITY-3](#) and [ORFEUS-SPAS-2](#) ([image](#))

VEHICLE: [Columbia/OV-102](#)

LOCATION: [Orbiter Processing Facility](#) bay 1

[TARGET LAUNCH DATE/TIME](#): Nov. 8 at about 2:30 p.m. (EST)

LAUNCH WINDOW: 2 hours, 30 minutes

TARGET KSC LANDING DATE/TIME: Nov. 24 at about 7:15 a.m.

MISSION DURATION: 16 days

CREW: Cockrell, Rominger, Jernigan, Jones, Musgrave

ORBITAL ALTITUDE and INCLINATION: 218 statute miles/28.45 degrees

NOTE: Managers met today and decided on Nov. 8 as the new target launch date for STS-80. Vehicle close-outs and [remote manipulator system](#) functional checks are in work today. The payload bay doors are expected to be closed for flight next week.

KEY STS-80 OPERATIONAL MILESTONES (dates are target only):

Final payload bay door closure (about Sept. 23)

Mate [external tank](#) to [solid rocket boosters](#) (Oct. 2)

Roll to [Vehicle Assembly Building](#) (Oct. 5)

NOTE: MISSION [STS-81](#), ATLANTIS, IS TARGETED FOR LAUNCH ON JAN. 12, 1997. SHUTTLE PROCESSING STATUS WILL BE ISSUED FOLLOWING MISSION STS-79.

MISSION: [STS-82](#) -- [HUBBLE SPACE TELESCOPE](#) SERVICING MISSION-2

VEHICLE: [Discovery/OV-103](#)

LOCATION: [Orbiter Processing Facility](#) bay 2

TARGET LAUNCH DATE: February 13, 1997

LAUNCH WINDOW: 61 minutes

TARGET KSC LANDING DATE: February 23, 1997

MISSION DURATION: 9 days, 22 hours

CREW: Bowersox, Horowitz, Lee, Hawley, Harbaugh, Smith, Tanner

ORBITAL ALTITUDE and INCLINATION: 360 statute miles/28.45 degrees

NOTE: Installation of the Ku-band antenna continues in work today. Preparations are also underway to install the forward reaction control system next week.

KEY OPERATIONAL MILESTONES (dates are target only):

Begin installation of forward reaction control system (Sept. 24)

Complete installation of [main engines](#) (about Oct. 10)

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