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[KENNEDY SPACE CENTER](#) SPACE [SHUTTLE](#) STATUS REPORT
MONDAY, SEPTEMBER 9, 1996 (2:23 PM EDT)

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

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

LOCATION: [Pad 39A](#)

LAUNCH DATE/TIME: Sept. 16 at about 4:54 a.m.

LAUNCH WINDOW: about 7 minutes (possibly less)

MIR DOCKING: Sept. 18 (late evening)

TARGET [KSC LANDING](#) DATE/TIME: Sept. 26 at about 8:49 a.m.

MISSION DURATION: 10 days, 4 hours

CREW: Readdy, Wilcutt, Akers, Blaha (up), Lucid (down), Apt, Walz

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

All times are EDT

NOTE: Early stowage operations of equipment and supplies in the Spacehab double module is complete as are operations to finish loading the [hypergolic reactants](#) into the orbiter's auxiliary power units and the booster's hydraulic power units. Aft engine compartment close-outs continue this week and are expected to be complete on Thursday. The spacesuits have been installed into the orbiter's airlock and will be checked-out for flight today. Tonight, ordnance installation and connection operations will begin as [countdown preparations](#) continue.

KEY STS-79 OPERATIONAL MILESTONES (dates are target only):
Complete aft engine compartment close-outs (Thursday)
Begin countdown at T-43 hours (12:01 a.m. Friday)
Flight crew arrival at KSC (12:01 a.m. Friday)
Begin fueling [external tank](#) for launch (7:33 p.m. Sunday)

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: (no earlier than) Oct. 31 at 2:40 p.m. (EST)

LAUNCH WINDOW: 2 hours, 20 minutes

TARGET KSC LANDING DATE/TIME: (no earlier than) Nov. 16 at 7:25 a.m.

MISSION DURATION: 16 days

CREW: Cockrell, Rominger, Jernigan, Jones, Musgrave

ORBITAL ALTITUDE and INCLINATION: 218 statute miles/28.45 degrees

NOTE: The [Mobile Launcher Platform](#) was returned to the VAB over the weekend and stacking of the [solid rocket boosters](#) will begin tonight. The orbiter's main engine heat shields continue to be installed today and preparations are in work for final checks of the main propulsion system.

KEY STS-80 OPERATIONAL MILESTONES (dates are target only):
Crew equipment interface test (Friday-Saturday)
Landing gear functional checks (Sept. 17)
Final payload bay door closure (about Sept. 23)
Roll to [Vehicle Assembly Building](#) (about 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: The [drag chute](#) ([image](#)) has been installed, connected and checked-out. Today, installation and tests begin on the Ku-band antenna.

KEY OPERATIONAL MILESTONES (dates are target only):
Install remote manipulator system (Sept. 16)
Deliver forward reaction control system to OPF (Sept. 19)
Complete installation of the forward reaction control system (Sept. 22)
Begin fuel cell no. 3 replacement (about Sept. 23)
Complete installation of [main engines](#) (about Oct. 1)

-- end --

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