

KENNEDY SPACE CENTER SPACE SHUTTLE STATUS REPORT
THURSDAY, FEBRUARY 2, 1995 (10:45 AM EST)
LAUNCH MINUS 1 DAY

MISSION: [STS-63](#) -- MIR RENDEZVOUS, SPARTAN and SPACEHAB-3

VEHICLE: Discovery/OV-103
LOCATION: Pad 39B
* LAUNCH DATE/APPROX. TIME: Feb. 3, 1995 at 12:22 a.m. EST
LAUNCH WINDOW: 5 minutes
* KSC LANDING DATE/APPROX. TIME: Feb. 11 at 5:49 a.m.
* MISSION DURATION: 8 days, 5 hours, 27 minutes
ORBITAL ALTITUDE and INCLINATION: 196-245 statute miles/51.60 degrees

* Change from yesterday's status

NOTE: The countdown for mission STS-63 and the launch of Discovery was postponed for 24 hours yesterday when one of three inertial measurement units (IMU no. 2) failed during its normal power-up activation phase. The replacement IMU was installed last night. Initial replacement and calibrations indicate the new unit is working properly. Final IMU activation procedures will be completed by early this afternoon. No other technical issues are being worked by the management team and no problems are being reported from the pad. About five mid-deck lockers are being replaced this morning as a result of the scrub.

Launch of Space Shuttle Discovery is now set for about 12:22 a.m. EDT, Friday, Feb. 3. The countdown will target launch for 12:21 a.m., the earliest possible launch opportunity based on the Mir orbit. The exact launch time will be adjusted at the T-9 minute hold.

Other operations being worked today include: activate the fuel cells, perform pre-ingress switch list, configure communications at mission control in Houston and clear the pad for external tank loading. Loading of the external tank with cryogenic propellants is scheduled to begin at about 3:30 p.m. today. Tanking could begin about 30 minutes earlier than planned if work at the pad to prepare for tanking is complete.

Air Force weather forecasters are currently continuing to indicate a zero percent probability of weather prohibiting launch on Friday. During Friday's five minute launch window, the winds at Pad B are expected to be from the west at 8-12 knots; temperature 49 degrees F; visibility 7 miles; and clouds scattered at 25,000-28,000 feet. The 24-hour-delay forecast reveals similar conditions with forecasters again listing a zero percent chance of violation.

Today, the six-member astronaut crew will be given a briefing on tomorrow morning's launch weather outlook at Kennedy Space Center and the TransAtlantic abort sites in Spain and Africa. Also today, the crew will make last minute adjustments to their flight plans while completing their review of launch day activities. Tonight, the crew will depart for Launch Pad 39B at about 8:36 p.m.

NOTE: For additional details regarding STS-63 countdown milestones, please refer to [KSC Release No. 6-95](#).

SUMMARY OF BUILT-IN HOLDS FOR STS-63

T-TIME ----- LENGTH OF HOLD ----- HOLD BEGINS ----- HOLD ENDS

T-11 hours -----8:31 a.m. Thurs.
T-6 hours -----2 hours -----1:31 p.m.Thurs.-----3:31 p.m. Thurs.
T-3 hours -----2 hours -----6:31 p.m.Thurs.-----8:31 p.m. Thurs.
T-20 minutes -----10 minutes -----11:11 p.m.Thurs.-----11:21 p.m. Thurs.
T-9 minutes -----40 minutes -----11:32 p.m.Thurs.-----12:12 a.m. Fri.

CREW FOR MISSION STS-63

Commander (CDR): James Wetherbee
Pilot (PLT): Eileen Collins
Mission Specialist (MS1): Bernard Harris
Mission Specialist (MS2): Michael Foale
Mission Specialist (MS3): Janice Voss
Mission Specialist (MS4): Vladimir Titov

SUMMARY OF STS-63 LAUNCH DAY CREW ACTIVITIES

Thursday, Feb. 2

6:56 p.m. Wake up
7:26 p.m. Breakfast and crew photo
7:56 p.m. Weather briefing (CDR, PLT, MS2)
7:56 p.m. Don flight equipment (MS1, MS3, MS4)
8:06 p.m. Don flight equipment (CDR, PLT, MS2)
8:36 p.m. Depart for launch pad 39B
9:06 p.m. Arrive at white room and begin ingress
10:21 p.m. Close crew hatch

Friday, Feb. 3, 1995

12:22 a.m. Launch (time estimated)

NOTE: The orbiter Endeavour will roll over to the Vehicle Assembly Building about 90 minutes following launch of Discovery.