KENNEDY SPACE CENTER SPACE SHUTTLE STATUS REPORT
THURSDAY, JANUARY 23, 1997 (11:49 AM EST)

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MISSION: STS-82 -- HUBBLE SPACE TELESCOPE SERVICING MISSION-2

- ***VEHICLE:*** Discovery/OV-103
- ***LOCATION:*** Pad 39A
- ***TARGET LAUNCH DATE/TIME:*** February 11 at 3:56 a.m.
- ***LAUNCH WINDOW:*** 65 minutes
- ***TARGET KSC LANDING DATE/TIME:*** February 21 at about 2:16 a.m.
- ***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 crew of mission STS-82 is at KSC today for the conclusion of the Terminal Countdown Demonstration Test (TCDT). The crew climbed aboard the orbiter this morning for the simulated launch countdown. Later today they will return to their homes in Houston and begin final preparations for the mission.

At the pad yesterday, repairs to the surface of the MLP were completed. Following TCDT today, the payload bay doors will be closed as a precaution while hypergolic propellants are loaded into the orbiter this weekend. On Sunday, the Rotating Service Structure will be retracted away from the vehicle for a hot fire test of the three auxiliary power units Sunday evening. On Monday, the payloads will be delivered to the pad's payload change-out room.

STS-82 SCHEDULED OPERATIONAL MILESTONES (dates are target only):

- Load hypergolic propellants (Friday and Saturday)
- Retract Rotating Service Structure and auxiliary power unit hot fire (Sunday)
- Deliver payloads to pad (Monday, Jan. 27)
- Extend Rotating Service Structure (Tuesday, Jan. 28)
- Flight Readiness Review (Jan. 30)
- Payload interface verification test (Jan. 31)

MISSION: STS-83 -- Microgravity Science Laboratory-1

- ***VEHICLE:*** Columbia/OV-102
- ***LOCATION:*** Orbiter Processing Facility bay 1
- ***TARGET LAUNCH DATE/TIME:*** April 3 at 3:01 p.m. EST
- ***LAUNCH WINDOW:*** 2 hours, 30 minutes
- ***TARGET KSC LANDING DATE/TIME:*** April 19 at 8:30 a.m. EST
- ***MISSION DURATION:*** 16 days
- ***CREW:*** Halsell, Still, Voss, Thomas, Gernhardt, Linteris, Crouch
- ***ORBITAL ALTITUDE and INCLINATION:*** 184 statute miles/28.45 degrees

NOTE: Work continues to remove the right hand orbital maneuvering system pod. The pod will be returned to the Hypergolic Maintenance Facility for scheduled servicing and replaced with another pod. Payload premate tests and installation of the Ku-band antenna are scheduled to begin tomorrow. Wing-to-fuselage bolt torque checks are continuing. Stacking of the right hand solid rocket booster in the Vehicle Assembly Building is scheduled for completion this weekend.

STS-83 SCHEDULED OPERATIONAL MILESTONES (dates are target only):

- Complete solid rocket booster stacking operations (Friday)
- Install Space Shuttle main engines (Jan. 27)
- Install Microgravity Science Laboratory into orbiter's payload bay (Jan. 28)
- Mate external tank to solid rocket boosters in VAB (Jan. 29)
- Roll to VAB (March 3)

MISSION: STS-84 -- 6th MIR DOCKING & SPACEHAB DM (image)

- ***VEHICLE:*** Atlantis/OV-104
- ***LOCATION:*** Orbiter Processing Facility bay 3
- ***OFFICIAL KSC LAUNCH DATE/TIME:*** May 15 at about 3:49 a.m. EDT
- ***LAUNCH WINDOW:*** 7-10 minutes
- ***TARGET KSC LANDING DATE/TIME:*** May 24 at about 8:12 a.m. EDT
- ***MISSION DURATION:*** 9 days (+1)
- ***CREW:*** Precourt, Collins, Foale, Noriega, Lu, Clervoy, Kondakova
- ***ORBITAL ALTITUDE and INCLINATION:*** 184 statute miles/51.6 degrees

NOTE: Following a perfect landing of Atlantis **(image)** yesterday, time critical experiments on the Spacehab were removed and the orbiter towed to Orbiter Processing Facility bay 3. First motion came at about 5:47 p.m. with the vehicle spotted in the OPF at about 8 p.m.

The crew of mission STS-81, including astronaut John Blaha **(image)** who spent 128 days in space, will depart KSC early this afternoon for their homes in Houston.

Initial inspections of the orbiter indicate normal tire/brake wear and minimal damage to the thermal protection system tiles following the 10-day mission. A more detailed inspection will be conducted today.

Runway measurements reveal the orbiter touched down about 3,000 feet from the runway threshold and rolled for about 9,300 feet before coming to a complete stop.

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