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KENNEDY SPACE CENTER SPACE SHUTTLE STATUS REPORT
WEDNESDAY, NOVEMBER 20, 1996 (2:42 PM EST)

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MISSION: STS-80 -- WAKE SHIELD FACILITY-3 (**image**) and ORFEUS-SPAS-2 (**image**)
Flight Day 2

VEHICLE: Columbia/OV-102
LOCATION: in orbit
LAUNCH DATE/TIME: November 19 at 2:55.47 p.m. EST
TARGET KSC LANDING DATE/TIME: December 5 at 7:40 a.m.
MISSION DURATION: 15 days, 16 hours, 44 minutes
CREW: Cockrell, Rominger, Jernigan, Jones, Musgrave
ORBITAL ALTITUDE and INCLINATION: 219 statute miles/28.45 degrees

NOTE: The Space Shuttle Columbia was launched yesterday from KSC's Pad 39B at 2:55.47 p.m. A KSC landing is targeted for Dec. 5 at about 7:40 a.m.

Initial post-launch inspections of the pad indicate no significant damage. The solid rocket booster recovery ships have recovered all booster components and will arrive at Port Canaveral early tomorrow morning, then proceed to Hangar AF by mid-morning. Initial post-flight booster assessments will be conducted beginning tomorrow.

Overnight, the crew of Columbia deployed the ORFEUS-SPAS free-flying platform at about 11:15 p.m. EST.

MISSION: STS-81 -- 5th MIR DOCKING & SPACEHAB DM (**image**)

VEHICLE: Atlantis/OV-104
LOCATION: Orbiter Processing Facility bay 3
TARGET KSC LAUNCH DATE/TIME: Jan. 12, 1997 at about 4:17 a.m. (EST)
LAUNCH WINDOW: 7-10 minutes
TARGET KSC LANDING DATE/TIME: Jan. 21, 1997 at about 8:40 a.m.
MISSION DURATION: 9 days (+1)
CREW: Baker, Jett, Grunsfeld, Ivins, Wisoff, Linenger (up) Blaha (down)
ORBITAL ALTITUDE and INCLINATION: 184 statute miles/51.6 degrees

NOTE: Flight control system checks are currently underway. Removal of fuel cell No. 1 is complete. Due to concerns with marginal pH levels, managers have decided to remove and replace fuel cell No. 2, as well. Today, managers are determining if this work can be done with the Spacehab tunnel adapter in place or if the tunnel must be removed. Assessments to the impact of the remainder of the schedule are currently under review.

KEY STS-81 OPERATIONAL MILESTONES (dates are target only):
Close payload bay doors for rollover (under review)
Roll to Vehicle Assembly Building (no earlier than Dec. 5)
Roll to pad 39B (no earlier than Dec. 10)

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

VEHICLE: Discovery/OV-103
LOCATION: Orbiter Processing Facility bay 2
TARGET LAUNCH DATE/TIME: February 13, 1997 at 2:59 a.m.
LAUNCH WINDOW: 61 minutes
TARGET KSC LANDING DATE/TIME: February 23, 1997 at 1:35 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 left hand orbital maneuvering system pod was installed on Monday and interface verification testing will begin tomorrow. Fuel cell No. 1 will be removed and replaced on Friday. Stacking of the solid rocket boosters for mission STS-82 will continue this week in the Vehicle Assembly Building.

KEY STS-82 OPERATIONAL MILESTONES (dates are target only):
Mate external tank to solid rocket booster (Dec. 5)
Close payload bay doors (Dec. 16)

--end--

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