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KENNEDY SPACE CENTER SPACE SHUTTLE STATUS REPORT
TUESDAY, MAY 2, 1995 (9:50 AM EDT)

NOTE: Missions managers decided to proceed with work to launch STS-70 on June 8, ahead of STS-71 which remains targeted for no early than June 19.

MISSION: [STS-70](#) -- TDRS-G

VEHICLE: Discovery/OV-103
LOCATION: Orbiter Processing Facility bay 2
TARGET LAUNCH DATE: June 8
*LAUNCH TIME: 9:01 a.m. EDT
LAUNCH WINDOW: 2 hours, 30 minutes
*TARGET KSC LANDING DATE/TIME: June 16 at 8:18 a.m.
MISSION DURATION: 7 days, 22 hours (with option to shorten to 5 days)
CREW SIZE: 5
ORBITAL ALTITUDE and INCLINATION: 184 statute miles/28.45 degrees
*change from earlier status

IN WORK TODAY:
• Preparations for move to Vehicle Assembly Building on Wednesday

WORK COMPLETED:
• Close payload bay doors
• Forward, mid-body and aft engine compartment close-outs
• Transport TDRS to Launch Pad 39-B's Payload Check-out Room

KEY OPERATIONAL MILESTONES (dates are target only):
• Roll orbiter to Vehicle Assembly Building (8 a.m. Wednesday)
• Roll Shuttle vehicle to Launch Pad 39-B (May 11)
• Hot fire auxiliary power unit no. 2 (May 12)
• Install TDRS into orbiter payload bay (May 13)
• Terminal Countdown Demonstration Test (May 18-19)
• Flight readiness review (May 26)

MISSION: [STS-71](#) -- 1st MIR DOCKING

VEHICLE: Atlantis/OV-104
LOCATION: Launch Pad 39-A
TARGET LAUNCH DATE: June 19 (no earlier than)
APPROX. LAUNCH TIME: 6:43 p.m. EDT
LAUNCH WINDOW: 5 minutes
KSC LANDING DATE/TIME: June 30 at 2:14 p.m.
MISSION DURATION: 10 days, 19 hours, 31 minutes
CREW SIZE: 7 up, 8 down
ORBITAL ALTITUDE and INCLINATION: 196-245 statute miles/51.60 degrees

IN WORK TODAY:
• Main propulsion system helium signature test
• Hypergolic fueling preparations

WORK COMPLETED:
• Preparations for helium signature test
• Access aft engine compartment

KEY OPERATIONAL MILESTONES (dates are target only):
• Prelaunch hypergolic propellant load (May 10-11)
• Terminal Countdown Demonstration Test (May 24-25)

MISSION: STS-69 -- WSF-2 & SPARTAN 201-03

VEHICLE: Endeavour/OV-105
LOCATION: Orbiter Processing Facility bay 1
TARGET LAUNCH DATE/TIME: July 20 at 10:30 a.m.
LAUNCH WINDOW: 2 hours, 30 minutes
TARGET KSC LANDING DATE/TIME: July 31 at 7:15 a.m.
MISSION DURATION: 10 days, 21 hours
CREW SIZE: 5
ORBITAL ALTITUDE and INCLINATION: 190 statute miles/28.45 degrees

NOTE: Endeavour is powered-up. Work to close-out the left and right hand orbital maneuvering system pods is complete. The drag chute has been installed and check-outs are underway today. The bay will be closed later this week for hazardous operations to service the auxiliary power units. Solid rocket booster stacking operations are scheduled to begin later this week in the Vehicle Assembly Building.

MISSION: STS-73 -- U.S. MICROGRAVITY LABORATORY-2

VEHICLE: Columbia/OV-102
LOCATION: Orbiter Processing Facility bay 3
TARGET LAUNCH DATE/TIME: Sept. 21 at 10:37 a.m.
LAUNCH WINDOW: 2 hours, 30 minutes
TARGET KSC LANDING DATE/TIME: Oct. 7 at 8:31 a.m.
MISSION DURATION: 16 days
CREW SIZE: 7
ORBITAL ALTITUDE and INCLINATION: 167 statute miles/39 degrees

NOTE: Columbia is powered-up and payload bay door functional checks are complete. Access to the aft engine compartment and purge connections are also complete.

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