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KENNEDY SPACE CENTER SPACE SHUTTLE STATUS REPORT
MONDAY, MAY 1, 1995 (11:57 AM EDT)

NOTE: Missions managers decided late Friday night 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
· Preparations for TDRS arrival at Launch Pad 39-B's Payload Check-out Room at about 10 p.m.

WORK COMPLETED:
· Forward, mid-body and aft engine compartment leak checks and close-outs
· Nose gear wheel and tire assembly installation

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:
· Preparations for helium signature test
· Hypergolic fueling preparations

WORK COMPLETED:
· Complete shuttle interface verification test
· Hot fire auxiliary power units
· Access aft engine compartment

KEY OPERATIONAL MILESTONES (dates are target only):
· Main propulsion system helium signature test (May 2)
· Prelaunch hypergolic propellant load (May 10)
· 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 10:44 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. Preparations to install the drag chute are underway today. The bay will be closed later this week for hazardous operations to service the auxiliary power units.

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 in work. Access to the aft engine compartment and purge connections are complete.

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