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KENNEDY SPACE CENTER SPACE SHUTTLE STATUS REPORT
MONDAY, APRIL 24, 1995 (11:32 AM EDT)

NOTE: Missions STS-71 and STS-70 are both being targeted for no earlier than launch dates. Options are being protected for each to be the next one launched. (The most likely launch date for STS-71 is currently assessed to be on or near June 24.)

MISSION: STS-71 -- 1st MIR DOCKING

VEHICLE: Atlantis/OV-104
LOCATION: Vehicle Assembly Building bay 1
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:
  Shuttle interface verification test

WORK COMPLETED:
  Mate orbiter with external tank
  Roll orbiter to Vehicle Assembly Building
  Orbiter/external tank leak checks

KEY OPERATIONAL MILESTONES (dates are target only):
  Roll Shuttle vehicle to Launch Pad 39-A (4 a.m. Wednesday)
  Hot fire auxiliary power units (Thursday)
  Main propulsion system helium signature test (May 2)
  Terminal Countdown Demonstration Test (May 24-25)

MISSION: STS-70 -- TDRS-G

VEHICLE: Discovery/OV-103
LOCATION: Orbiter Processing Facility bay 2
TARGET LAUNCH DATE: June 8 (no earlier than)
APPROX. LAUNCH TIME: 10:20 a.m.
LAUNCH WINDOW: 2 hours, 30 minutes
TARGET KSC LANDING DATE/TIME: June 16 at 8:33 a.m.
MISSION DURATION: 7 days, 22 hours
CREW SIZE: 5
ORBITAL ALTITUDE and INCLINATION: 184 statute miles/28.45 degrees

IN WORK TODAY:
  Forward, mid-body and aft engine compartment close-outs

WORK COMPLETED:
  Secure space shuttle main engines and integrated tests

KEY OPERATIONAL MILESTONES (dates are target only):
  Close payload bay doors (Tuesday)
  Deliver TDRS to Launch Pad 39-B (May 2)
  Roll orbiter to Vehicle Assembly Building (May 3)
  Roll Shuttle vehicle to Launch Pad 39-B (May 11)

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 12:06 p.m.
LAUNCH WINDOW: 2 hours, 30 minutes
TARGET KSC LANDING DATE/TIME: July 31 at 8:37 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 as work continues to perform close-outs on the left and right hand orbital maneuvering system pods and close-outs of the flight control systems. Hydraulic operations are underway and the fuel cell voltage checks are beginning this week.

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: The orbiter Columbia was moved from the Vehicle Assembly Building into the Orbiter Processing Facility bay 3 at about 3:30 p.m. Friday. The tail cone was removed and the orbiter lifted off its landing gear and leveled. Preparations are now beginning for its next mission.

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