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KENNEDY SPACE CENTER SPACE SHUTTLE STATUS REPORT
THURSDAY, JULY 20, 1995 (9:54 AM EDT)

MISSION: STS-70 -- TDRS-G
Flight Day 8

VEHICLE: Discovery/OV-103
LOCATION: Orbit
LAUNCH DATE/TIME: July 13 at 9:41.55 a.m. EDT
KSC LANDING DATE/TIME: July 21 at 7:54 a.m.
MISSION DURATION: 7 days, 22 hours, 12 minutes
ORBITAL ALTITUDE and INCLINATION: 184 statute miles/28.45 degrees

Discovery is scheduled to land at Kennedy Space Center's Shuttle Landing Facility tomorrow morning at 7:54 a.m. A second landing opportunity is available at about 9:30 a.m. Weather forecasters indicate generally favorable conditions for landing with a slight chance of low clouds and ground fog during the early morning hours.

STS-70 mission status reports are issued daily by the Johnson Space Center, Houston, Texas.

The crew for mission STS-70 are: Commander Tom Henricks, Pilot Kevin Kregel, and Mission Specialists Donald Thomas, Nancy Currie and Mary Ellen Weber.

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

VEHICLE: Endeavour/OV-105
LOCATION: Pad 39-A
TARGET LAUNCH DATE/TIME: August 5 at 10:45 a.m. EDT
LAUNCH WINDOW: 2 hours, 30 minutes
TARGET KSC LANDING DATE/TIME: August 16 at 7:14 a.m.
MISSION DURATION: 10 days, 20 hours, 29 minutes
CREW SIZE: 5
ORBITAL ALTITUDE and INCLINATION: 230 statute miles/28.45 degrees

IN WORK TODAY:
* Terminal countdown demonstration test (T-0 set for about 11 a.m. today)

WORK COMPLETED:
* Load hypergolic reactants
* Flight readiness review

KEY OPERATIONAL MILESTONES (dates are target only):
* Wake Shield Facility interface verification test (Friday)
* Begin orbiter aft engine compartment close-outs (July 24)
* Install ordnance (July 28)
* Begin countdown for launch (Aug. 2)

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 9:31 a.m. EDT *
LAUNCH WINDOW: 2 hours, 30 minutes
TARGET KSC LANDING DATE/TIME*: Oct. 7 at 7:25 a.m. *
MISSION DURATION: 15 days, 22 hours
CREW SIZE: 7
ORBITAL ALTITUDE and INCLINATION: 172 statute miles/39 degrees
* change from earlier status

IN WORK TODAY:
* Preparations to install spacelab transfer tunnel on Monday
* Repair attach point on right hand orbital maneuvering system pod

WORK COMPLETED:
* Main engine securing
* Pressure check tunnel adapter

KEY OPERATIONAL MILESTONES (dates are target only):
* Crew equipment interface test (July 29)
* Close payload bay doors (Aug. 7)
* Roll to Vehicle Assembly Building (Aug. 18)

MISSION: STS-74 -- 2nd MIR DOCKING (Docking Module)

VEHICLE: Atlantis/OV-104
LOCATION: Orbiter Processing Facility bay 2
TARGET LAUNCH DATE/TIME: Oct. 26 at 3:08 p.m. EDT
LAUNCH WINDOW: 7 minutes
ESTIMATED MIR DOCKING DATE/TIME: Oct. 29 at 8:05 a.m. EST
TARGET KSC LANDING DATE/TIME: Nov. 3 at 11:05 a.m. EST
MISSION DURATION: 7 days, 20 hours
CREW SIZE: 5
ORBITAL ALTITUDE and INCLINATION: 196-245 statute miles/51.6 degrees

NOTE: Work to complete the off-load of residual hypergolic reactants continue today. Next week orbiter windows 5 and 6 will be replaced and the landing gear and tires will be removed. Also, preparations are in work to remove the main engines next week.

KEY OPERATIONAL MILESTONES (dates are target only):
* Remove main engines (July 24-25)

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