
SPACE SHUTTLE STATUS REPORT
Monday, May 15, 1995

Kennedy Space Center

Vehicle: OV-103/Discovery
Mission number: [STS-70](#)
Location: Pad 39-B
Primary payload: TDRS-G/IUS-17
Astronauts: 5
Orbital altitude: 184 statute miles
Inclination: 28.45 degrees
Mission Duration: 7 days, 22 hours
Launch date: June 8 NET
Landing date: June 16

STS-70 IN WORK:

- IUS/TDRS/Discovery Interface Verification Test (IVT)
- Connection of Orbiter Mid-Body Umbilical Unit (OMBUU)
- Preparations for Terminal Countdown Demonstration Test
- Preparations for loading storable hypergolic propellants

STS-70 WORK SCHEDULED:

- Terminal Countdown Demonstration Test (May 18-19)
- Storable hypergolic propellant loading (May 22-23)
- Flight Readiness Review (May 26)

STS-70 WORK COMPLETED:

- TDRS-IUS payload installation
- Launch pad validations
- Hot fire auxiliary power unit No. 2

Atlantis/OV-104 ([STS-71](#)/Spacelab-MIR)
Pad 39-A

Storable propellant loading is complete. Preparations are beginning for the main engine Flight Readiness Test scheduled for May 17-18 and the Terminal Countdown Demonstration Test scheduled for May 24-25.

Endeavour/OV-105 (STS-69) Wake Shield Facility/Spartan 201-3
OPF Bay 1

Work is underway to remove and replace the No. 3 fuel cell. Preparations are beginning for the removal of the right-hand orbital maneuvering system pod.

Columbia/OV-102 (STS-73) U.S. Microgravity Laboratory-2
OPF Bay Bay 3

The main propulsion system leak and functional test is underway. Associated electrical testing is also being performed. Preparations are underway for installing the left-hand orbital maneuvering sytem pod. Mechanical installation of the fifth cryogenic tank set is complete. Work to establish the electrical connections is beginning today.

KSC 24-Hour Weather Summary

Today's minimum temperature: 74 degrees
Yesterday's maximum temperature: 93 degrees
Lowest relative humidity: 59 percent
Peak wind speed/direction: 21 mph/ENE
Precipitation as of 7 a.m.: 0 inches
Total May precipitation: 1.76 inches