

SPACE SHUTTLE STATUS REPORT
Wednesday, June 28, 1995

Vehicle: OV-103/Discovery
Mission number: STS-70
Location: Pad 39-B
Primary payload: TDRS-G/IUS-26
Astronauts: 5
Orbital altitude: 184 statute miles
Inclination: 28.45 degrees
Mission Duration: 7 days, 22 hours
Launch date: July 13 (9:41 a.m.)
Landing date: July 16 (7:51 a.m.)

STS-70 IN WORK:

- Flight Readiness Test of main engines and flight controls
- Purge of reaction control system thrusters
- TDRS-G launch/deployment simulation
- Inertial Upper Stage battery connections

STS-70 WORK SCHEDULED:

- Aft main engine compartment closeouts (begin Thursday)
- Close payload bay doors (July 10)

STS-70 WORK COMPLETED:

- Payload re-installation
- TDRS-G/IUS-26 Interface Verification Test (IVT)
- Installation and calibration of IUS Redundant Inertial Measurement Unit

Endeavour/OV-105 (STS-69) Wake Shield Facility/Spartan 201-3
VAB Transfer Aisle

Orbiter Endeavour was rolled to the Vehicle Assembly Building this morning. First motion from OPF Bay 1 was at 7:52 a.m. Arrival in the VAB transfer aisle occurred at 8:28 a.m. Endeavour will be mated to the external tank/solid rocket booster stack tonight.

In the Vertical Processing Facility, the Wake Shield Facility was installed into the payload canister on Tuesday and will be transported to Pad 39-A late Friday night. It will be installed into the payload changeout room at the pad Saturday morning. Installation into Endeavour's payload bay is currently scheduled for July 10.

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

The main propulsion system leak and functional test is underway. Preparations are underway for installing auxiliary power unit No. 3. Preparations are also beginning for potable water servicing.

Atlantis/OV-104 (STS-71) Spacelab-MIR Laboratory Module
On-orbit

Initial data from the three main engines showed that they performed flawlessly. The twin-solid rocket booster performance was also nominal. They were recovered by the solid rocket booster retrieval ships last night. The tow to Port Canaveral began this morning. Arrival is anticipated at 6 a.m. on Thursday.

The leak rate on Atlantis' fuel cell No. 1 oxygen liquid reactant quick disconnect has remained constant at 3/10 lb. per hour and is not a concern.

KSC 24-Hour Weather Summary
Today's minimum temperature: 72 degrees
Yesterday's maximum temperature: 93 degrees
Lowest relative humidity: 55 percent
Peak wind speed/direction: 17 mph/WNW
Precipitation as of 7 a.m.: 0 inches
Total June precipitation: 5.89 inches