KENNEDY SPACE CENTER SPACE SHUTTLE STATUS REPORT
FRIDAY, JUNE 23, 1995 (12:47 PM EDT)

LAUNCH MINUS 1 DAY

MISSION: STS-71 -- 1st MIR DOCKING

VEHICLE: Atlantis/OV-104
LOCATION: Launch Pad 39-A
LAUNCH DATE: June 24
APPROX. LAUNCH TIME: 4:43.02 p.m. EDT
LAUNCH WINDOW: 10 minutes
KSC LANDING DATE/TIME: July 4 at about 12 noon
MISSION DURATION: 10 days, 19 hours
CREW SIZE: 7 up, 8 down
ORBITAL ALTITUDE and INCLINATION: 196-245 statute miles/51.60 degrees

NOTE: Managers postponed today's scheduled launch of Atlantis due to the inability for tanking operations to commence. Operations to tank were put off from the original start time of about 7:45 a.m. due to severe weather and lightning within five miles of the launch pad, a stringent weather criteria which is in place for safety reasons. Managers delayed tanking as long as possible to still make a launch attempt today, but had to postpone launch when it became apparent the weather would not clear in time to tank and launch Atlantis during the short seven minute window. The decision to scrub was made at about 9:55 a.m.

The specific weather rule states, "tanking will not begin if lightning is observed within five nautical miles of the launch pad or is forecast to occur during the first hour of tanking." Tanking Atlantis involves loading about 500,000 gallons of super-cold liquid hydrogen and liquid oxygen into the large external tank of the Shuttle.

Atlantis has now been rescheduled for launch on Saturday, June 24 during a 10 minute window that opens at 4:43 p.m. The countdown clock has been recycled to the T-6 hour mark. Loading of the external tank with cryogenic propellants is scheduled to begin at about 7:30 a.m. tomorrow. A launch at 4:43 p.m. tomorrow would see Atlantis dock with the Russian Mir Space Station on Monday and then land at KSC at about 12 noon on July 4.

The seven-member crew of Atlantis will recycle to their launch-minus-one-day schedule. They will be briefed on tomorrow's weather outlook at Kennedy Space Center and the TAL sites in Spain and Africa. Today, the crew will receive a final mission briefing and make last minute adjustments to their flight plans while completing their review of launch day activities.

Air Force weather forecasters currently indicate an 70 percent probability of weather prohibiting launch on Saturday. The primary concerns are for a likelihood of thunderstorms and showers in the vicinity of Launch Pad 39-A. During Saturday's launch window, the winds at Pad A are expected to be from the southeast at 8-12 knots; temperature 82 degrees F; visibility 7 miles; and clouds will be scattered at 3,000 feet and 6,000 feet, and broken at 12,000 feet and 25,000 feet. The 24-hour and 48-hour forecasts reveal similar conditions and a 70 percent chance of violation each day. The tanking forecast for tomorrow is listed as a 10 percent chance of violation, with the possibility of facing similar conditions as we had today.

CREW FOR MISSION STS-71

Robert "Hoot" Gibson	Commander (CDR)
Charles Precourt	Pilot (PLT)
Ellen Baker	Mission Specialist (MS3)
Greg Harbaugh	Mission Specialist (MS1)
Bonnie Dunbar	Mission Specialist (MS2)
Anatoly Solovyev	Mir 19 Commander (MS4 - Ascent only)
Nikolai Budarin	Mir 19 Flight engineer (MS5 - Ascent only)
Vladimir Dezhurov	Mir 18 Commander (Entry only)
Gennady Strekalov	Mir 18 Flight engineer (Entry only)
Norm Thagard	Mir 18 Cosmonaut-Researcher (Entry only)

SUMMARY OF STS-71 LAUNCH DAY CREW ACTIVITIES

Saturday, June 24

4:43 a.m.	Wake up
5:15 a.m.	Breakfast
* 11:15 a.m.	Dinner and crew photo
11:48 a.m.	Weather briefing (CDR, PLT, MS2)
11:48 a.m.	Don flight equipment (MS1, MS3, MS4, MS5)
11:58 a.m.	Don flight equipment (CDR, PLT, MS2)
* 12:15 p.m.	Crew suiting
* 12:28 p.m.	Depart for launch pad 39A
* 12:58 p.m.	Arrive at white room and begin ingress
* 2:43 p.m.	Close crew hatch
* 4:43.02 p.m.	Launch

* Televised events -- times may vary

NOTE: For additional details regarding STS-71 countdown milestones, please refer to KSC Release No. 55-95.