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KENNEDY SPACE CENTER SPACE SHUTTLE STATUS REPORT
THURSDAY, NOVEMBER 9, 1995 (12:04 PM EST)

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

VEHICLE: Atlantis/OV-104
LOCATION: Pad 39A
TARGET LAUNCH DATE/TIME: Nov. 11 at 7:56 a.m.
LAUNCH WINDOW: 7 minutes
TARGET MIR DOCKING DATE/TIME: Nov. 14 at about 2:20 a.m.
TARGET KSC LANDING DATE/TIME: Nov. 19 at about 1:25 p.m.
MISSION DURATION: 8 days, 5 hours
CREW SIZE: 5
ORBITAL ALTITUDE and INCLINATION: 196-245 statute miles/51.6 degrees

NOTE: The countdown for launch of Atlantis continues on schedule today for liftoff on Saturday, Nov. 11. The seven-minute window opens at about 7:56 a.m. The exact window will be announced about 90 minutes prior to launch following final computation of the location of Mir space station. Atlantis is scheduled to land at KSC's Shuttle Landing Facility at about 1:25 p.m. Nov. 19.

This morning, Pad 39-A was cleared to load the onboard cryogenic tanks with liquid hydrogen and liquid oxygen reactants. Reactant loading has been completed. The reactants will provide electricity for the orbiter and crew while in space and drinking water as a by-product during their 8-day mission.

Today, the orbiter's mid-body umbilical unit will be demated and retracted into the fixed service structure. Final vehicle and facility close-outs will also resume. Final mid-deck payload loading operations and will begin this afternoon and continue through tomorrow. Also today, the Docking Module located in Atlantis' payload bay will be powered-up for a final state-of-health check.

On Friday, preparations will be made to retract the rotating service structure to launch position at about 1:30 p.m., pending weather. Loading of the external tank with cryogenic propellants is scheduled to begin at about 10:36 p.m. Friday.

Air Force weather forecasters are currently indicating a 30 percent probability of weather prohibiting launch on Saturday. The primary concern is for possible cloudiness and ceiling below 6,000 feet.

During Saturday's launch window, the winds at Pad A are expected to be from the south-southeast at 7 -12 knots; temperature 70 degrees F; visibility 7 miles; humidity 81 percent; and clouds scattered at 3,000 feet and broken at 25,000 feet. The 24-hour-delay forecast reveals similar conditions and a 70 percent chance of violation. Marginal weather is also a concern for the trans-Atlantic landing sites in Spain and Africa.

NOTE: For additional details regarding STS-74 countdown milestones, please refer to KSC Release No. 121-95.

SUMMARY OF BUILT-IN HOLDS FOR STS-74

T-TIME	LENGTH OF HOLD	HOLD BEGINS	HOLD ENDS
T-27 hours	4 hours	11:00 p.m. Wed.	3:00 a.m. Thurs.
T-19 hours	8 hours	11:00 a.m. Thurs.	7:00 p.m. Thurs.
T-11 hours	13 hours, 6 minutes	3:00 a.m. Fri.	4:06 p.m. Fri.
T-6 hours	2 hours	9:06 p.m. Fri.	11:06 p.m. Fri.
T-3 hours	2 hours	2:06 a.m. Sat.	4:06 a.m. Sat.
T-20 minutes	10 minutes	6:46 a.m. Sat.	6:56 a.m. Sat.
T-9 minutes	40 minutes	7:07 a.m. Sat.	7:47 a.m. Sat.

CREW FOR MISSION STS-74

Commander (CDR): Ken Cameron
Pilot (PLT): James Halsell
Mission Specialist (MS1): Chris Hadfield
Mission Specialist (MS2): Jerry Ross
Mission Specialist (MS3): William McArthur

SUMMARY OF STS-74 LAUNCH DAY CREW ACTIVITIES

Friday, Nov. 10

10:00 p.m. Wake up
10:30 p.m. Breakfast

Saturday, Nov. 11

* 2:51 a.m. Lunch and crew photo
  3:21 a.m. Weather briefing (CDR, PLT, MS2)
  3:21 a.m. Don launch and entry suits (MS1, MS3)
  3:31 a.m. Don launch and entry suits (CDR, PLT, MS2)
* 3:41 a.m. Crew suiting photo
* 4:01 a.m. Depart for launch pad 39A
* 4:41 a.m. Arrive at white room and begin ingress
* 5:56 a.m. Close crew hatch
* 7:56 a.m. Launch

* Televised events (times may vary slightly)
All times eastern

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