



1

00:00:00,570 --> 00:00:06,180

\h GEORGE DILLER: T-10, 9, 8, go for main engine start, 7, 6, main engine ignition,

2

00:00:06,180 --> 00:00:20,690

\h 4, 3, 2, 1, 0 and liftoff of space shuttle Atlantis as Columbus sets sail on a voyage of science to the space

3

00:00:20,690 --> 00:00:25,090

\h ROB NAVIAS: Houston now controlling. VOICE: Roger roll, Atlantis.

4

00:00:25,090 --> 00:00:29,180

\h NAVIAS: Columbus weighs anchor from its port in Florida. Atlantis on the proper alignment,

5

00:00:29,180 --> 00:00:33,420

\h heads down, wings level for the 8 ½-minute ride to orbit, taking aim on the

6

00:00:33,420 --> 00:00:40,860

\h International Space Station for docking on Saturday. Twenty-eight seconds into the flight.

7

00:00:40,860 --> 00:00:45,370

\h The three liquid fuel main engines soon will throttle back to 72 percent of rated performance,

8

00:00:45,370 --> 00:00:51,310

\h going in the bucket, reducing the stress on the shuttle as it breaks through the sound barrier.

9

00:00:51,310 --> 00:00:58,480

\h Atlantis three miles in altitude, seven miles downrange.

10

00:00:58,480 --> 00:01:02,980

\h Fifty seconds into the flight, the engines beginning to throttle back up,

11

00:01:02,980 --> 00:01:13,170

\h standing by for that call from CapComm Jim Dutton.

12

00:01:13,170 --> 00:01:19,230

\h JIM DUTTON: Atlantis, go at throttle up. STEVE FRICK: Atlantis copies, go at throttle up.

13

00:01:19,230 --> 00:01:21,660

\h NAVIAS: The throttle up call acknowledged by Commander Steve Frick,

14

00:01:21,660 --> 00:01:27,160

\h joined on the flight deck by Pilot Alan Poindexter, Rex Walheim and Leland Melvin.

15

00:01:27,160 --> 00:01:33,390

\h Seated down on the middeck are Stan Love and Hans Schlegel and Leopold Eyharts of the European S

16

00:01:33,390 --> 00:01:38,170

\h Eyharts hitching a ride to his new home on the International Space Station.

17

00:01:38,170 --> 00:01:43,560

\h One minute, 30 seconds into the flight, Atlantis already 15 miles in altitude, 16 miles

18

00:01:43,560 --> 00:01:53,620

\h downrange from the Kennedy Space Center, traveling 2,000 miles an hour.

19

00:01:53,620 --> 00:02:02,590

\h Three good main engines, three good fuel cells, three auxiliary power units all functioning normally.