



1

00:00:00,640 --> 00:00:03,580

\h George Diller/NASA Launch Commentator: Sound suppression water system armed.

2

00:00:03,580 --> 00:00:18,190

\h T-10... nine... eight... seven... six■five... four■three■two■ one■and liftoff of space shuttle Atlantis,

3

00:00:18,190 --> 00:00:30,320

\h the final visit to enhance the vision of Hubble into the deepest grandeur of our universe.

4

00:00:30,320 --> 00:00:34,150

\h Gregory H. Johnson/CAPCOM: Bypass across the board, Scooter. No action.

5

00:00:34,150 --> 00:00:52,960

\h Kyle Herring/NASA Ascent Commentator: Houston now controlling Atlantis on its way.

6

00:00:52,960 --> 00:00:57,070

\h Atlantis on its way. All three engines now throttling down as the area begins,

7

00:00:57,070 --> 00:01:01,540

\h as the vehicle passes through the area of maximum dynamic pressure.

8

00:01:01,540 --> 00:01:07,130

\h Gregory H. Johnson/CAPCOM: Atlantis, Houston, no action on the MPSB2 out P.

9

00:01:07,130 --> 00:01:12,310

\h Scott Altman/STS-125 Commander: Houston, we copy. No action.

10

00:01:12,310 --> 00:01:15,920

\h Gregory H. Johnson/CAPCOM: Atlantis, go at throttle up.

11

00:01:15,920 --> 00:01:22,300

\h Scott Altman/STS-125 Commander: Houston, Atlantis copies. Go at throttle up.

12

00:01:22,300 --> 00:01:29,090

\h Kyle Herring/NASA Ascent Commentator: Seven miles in altitude.

13

00:01:29,090 --> 00:01:42,790

\h Altitude 49,000 feet. Flight control team discussing the minor transients that were seen at liftoff.

14

00:01:42,790 --> 00:01:51,530

\h All three engines are in good shape. The vehicle is headed downrange.

15

00:01:51,530 --> 00:01:59,040

\h All three hydraulic systems in good shape, as are the fuel cells. Atlantis is 18 miles in altitude,

16

00:01:59,040 --> 00:02:09,520

\h downrange 23 miles, already traveling 2,500 mph. Approaching staging, the burnout of the twin solid ro

17

00:02:09,520 --> 00:02:31,350

\h which have been burning fuel at a rate of about 11,000 pounds per second.