



1
00:00:00,000 --> 00:00:00,010

\h

2
00:00:00,990 --> 00:00:04,366

George Diller/STS-132 Launch Commentator: Firing chain is armed. Sound suppression water system activated.

3
00:00:04,680 --> 00:00:13,613

T minus 13... 12... 11... 10... nine... eight... go for main engine start... six... five... four... three... two... one... and

4
00:00:18,310 --> 00:00:24,710

and liftoff of space shuttle Atlantis, reaching the crest of its historic achievements in space.

5
00:00:27,870 --> 00:00:28,360

Launch Control Center: Houston, Atlantis is in a roll.

6
00:00:30,980 --> 00:00:34,046

Charles Hobaugh/Capcom: Roger, roll, Houston.

7
00:00:34,430 --> 00:00:38,296

Houston is now controlling. The roll maneuver is complete.

8
00:00:38,600 --> 00:00:44,933

Atlantis is in a heads-down position on course for a 51.6 degree, 136 by 36 statute mile orbit.

9
00:00:55,910 --> 00:00:57,370

The three main engines on Atlantis have now been throttled down to 72 percent of rated thrust as the orbiter

10
00:01:01,650 --> 00:01:08,383

prepares to pass through the area of maximum dynamic pressure on the vehicle in the lower atmosphere.

11
00:01:14,790 --> 00:01:15,203

Engine is now beginning to throttle back up.

Charles Hobaugh/Capcom: Atlantis you are go at throttle up.

12
00:01:21,310 --> 00:01:24,710

Ken Ham/STS-132 Commander: Copy, go at throttle up.

13

00:01:34,930 --> 00:01:38,369

Kyle Herring/STS-132 Ascent Commentator: All three engines looking really good, back at full throttle now.

14

00:01:38,370 --> 00:01:44,503

At liftoff, the fully fueled shuttle, boosters and external tank weighed 4.5 million pounds.

15

00:01:44,850 --> 00:01:48,850

It now has burned half of that liftoff weight in propellant.

16

00:01:50,160 --> 00:01:53,093

One minute, 30 seconds into the flight, all three auxiliary power units that provide hydraulic power to the

17

00:01:54,360 --> 00:02:01,493

orbiter's systems in good shape as are the fuel cells providing electricity to all of the systems on board.

18

00:02:02,220 --> 00:02:09,686

Atlantis is already 19 miles in altitude,
downrange from the Kennedy Space Center 20 miles, traveling 2,500 mph.