



1
00:00:00,000 --> 00:00:01,000

\h

2
00:00:02,470 --> 00:00:10,803

Mike Curie/STS-133 Launch Commentator: Go for main engine start. We have main engine start. 2 . . . 1 . . . b

3
00:00:11,860 --> 00:00:12,180

And the final liftoff of Discovery! A tribute to the dedication, hard work and pride of

4
00:00:17,340 --> 00:00:21,606

America's space shuttle team. The shuttle has cleared the tower.

5
00:00:31,060 --> 00:00:37,060

Josh Byerly/STS-133 Ascent Commentator: Discovery now making one last reach for the stars.

6
00:00:55,710 --> 00:00:58,356

Discovery's engines are now throttling down as the orbiter passes through the area of

7
00:00:58,730 --> 00:01:03,663

maximum pressure reducing the stress on the shuttle as it goes supersonic.

8
00:01:13,780 --> 00:01:14,820

Charlie Hobaugh/STS-133 CAPCOM: Discovery, Houston, you are go at throttle up.

9
00:01:17,940 --> 00:01:20,873

Steve Lindsey/STS-133 Commander: (Inaudible)

10
00:01:23,700 --> 00:01:25,549

Josh Byerly/STS-133 Ascent Commentator: Commander Steve Lindsey acknowledging

11
00:01:25,550 --> 00:01:31,416

the call from CAPCOM Charlie Hobaugh as Discovery's three main engines throttle back up.

12
00:01:33,290 --> 00:01:40,156

Lindsey is joined on the flight deck by Pilot Eric Boe and Mission Specialist Al Drew

and Nicole Stott.

13

00:01:44,060 --> 00:01:47,260

Mission Specialist Mike Barratt and Steve Bowen.

14

00:01:47,940 --> 00:01:49,830

Discovery's three main engines are burning fuel at a rate that would drain an average swimming pool in about 2

15

00:01:54,050 --> 00:01:54,600

The engines, combined with the solid rocket boosters, produce more than 7 million pounds of thrust.

16

00:02:00,100 --> 00:02:02,723

One minute, 50 seconds into the flight, we're standing by for separation of the twin solid rocket boosters.

17

00:02:04,610 --> 00:02:12,476

Discovery now traveling 2,695 miles an hour. It's altitude 24 miles. Downrange from the Kennedy Space Center 29 miles.