



1

00:00:00,430 --> 00:00:02,190

\h Allard Beutel/STS-130 Launch

Commentator: T minus 16 seconds,

2

00:00:02,190 --> 00:00:07,070

\h the sound suppression water system has been activated.

3

00:00:07,070 --> 00:00:18,310

\h We're at T minus 10... nine... eight... seven... six... five... we have full main engine start... two... one... ze

4

00:00:18,310 --> 00:00:22,430

\h and liftoff of shuttle Endeavour with NASA's
final space station crew compartment to

5

00:00:22,430 --> 00:00:31,290

\h bring the bay window view to our celestial backyard.

6

00:00:31,290 --> 00:00:37,100

\h George Zamka/STS-130 Commander: Houston, Endeavour, roll program. Rick Sturckow/Capcom: Rog

7

00:00:37,100 --> 00:00:40,700

\h Kylie Clem/Ascent Commentator: This is mission control Houston, Endeavour's roll maneuver is comple

8

00:00:40,700 --> 00:00:47,240

\h It's now in a heads-down position on track for its flight to the International Space Station.

9

00:00:47,240 --> 00:00:51,950

\h Twenty-eight seconds into the flight,
Endeavour flying at 1,100 mph, 1.3 miles in

10

00:00:51,950 --> 00:00:55,870

\h altitude and seven miles downrange from the Kennedy Space Center,

11

00:00:55,870 --> 00:01:03,880

\h according to onboard computers.
Endeavour's engines are throttling down as

12

00:01:03,880 --> 00:01:18,110

\h the orbiter passes through the area of maximum pressure on the vehicle.

13

00:01:18,110 --> 00:01:21,950

\h Rick Sturckow/Capcom: Endeavour, go at throttle up.

14

00:01:21,950 --> 00:01:25,650

\h George Zamka/STS-130 Commander: Endeavour copies. Go at throttle up.

15

00:01:25,650 --> 00:01:28,020

\h Kylie Clem/Ascent Commentator: The three main engines on board are throttling back up,

16

00:01:28,020 --> 00:01:31,860

\h now one minute, 10 seconds into the flight.

17

00:01:31,860 --> 00:01:40,650

\h Endeavour flying at 1,800 mph, 10 miles in altitude, 11 1/2 miles downrange.

18

00:01:40,650 --> 00:01:45,610

\h At liftoff, the fully fueled shuttle, boosters and external tank weighed 4 1/2 million pounds

19

00:01:45,610 --> 00:01:52,760

\h and the total thrust at launch was 6,425,000 pounds.

20

00:01:52,760 --> 00:01:54,830

\h All systems continue to function well.

21

00:01:54,830 --> 00:01:58,780

\h Three good main engines, three good power-generating fuel cells and three good

22

00:01:58,780 --> 00:02:05,300

\h auxiliary power units for the hydraulic system.