



1
00:00:15,919 --> 00:00:06,849
1210 you let's go for main engine slows

2
00:00:18,170 --> 00:00:15,929
6 4 3 2 1 and booster ignition liftoff

3
00:00:25,660 --> 00:00:18,180
space shuttle Discovery taking the space

4
00:00:31,580 --> 00:00:29,630
rockaway discovery discoveries roll

5
00:00:33,799 --> 00:00:31,590
maneuver is completed it is now in a

6
00:00:35,180 --> 00:00:33,809
heads down position on track parts

7
00:00:43,130 --> 00:00:35,190
flight to the International Space

8
00:00:48,740 --> 00:00:47,299
discovery flying 365 miles per hour one

9
00:00:50,869 --> 00:00:48,750
a half one and a half miles in altitude

10
00:00:53,990 --> 00:00:50,879
seven miles down range from the Kennedy

11
00:00:55,850 --> 00:00:54,000
Space Center discoveries engines are

12
00:00:57,590 --> 00:00:55,860
throttling down as the orbiter passes

13
00:01:14,610 --> 00:00:57,600

through the area of maximum pressure on

14

00:01:23,260 --> 00:01:19,660

discovery go at throttle up this country

15

00:01:26,560 --> 00:01:23,270

go and throw up three main engines on

16

00:01:28,030 --> 00:01:26,570

board are throttling back up now one

17

00:01:30,760 --> 00:01:28,040

minute 12 seconds into the flight

18

00:01:33,250 --> 00:01:30,770

discovery flying it 1800 miles per hour

19

00:01:34,930 --> 00:01:33,260

ten miles in altitude and eleven and a

20

00:01:43,060 --> 00:01:34,940

half miles down range from the Kennedy

21

00:01:45,160 --> 00:01:43,070

Space Center at liftoff the fully filled

22

00:01:47,499 --> 00:01:45,170

Shuttle boosters and external tank wait

23

00:01:49,359 --> 00:01:47,509

four and a half million pounds the total

24

00:01:53,100 --> 00:01:49,369

thrust at launch was six million four

25

00:01:55,749 --> 00:01:53,110

hundred and twenty-five thousand pounds

26

00:01:58,660 --> 00:01:55,759

all systems continue to function well

27

00:02:00,790 --> 00:01:58,670

three good main engines three good power

28

00:02:03,190 --> 00:02:00,800

generating fuel cells and three good

29

00:02:07,749 --> 00:02:03,200

auxiliary power units for the hydraulic

30

00:02:09,340 --> 00:02:07,759

system we will now stand by for burnout

31

00:02:11,979 --> 00:02:09,350

and separation of the solid rocket

32

00:02:14,590 --> 00:02:11,989

boosters combined the twin boosters

33

00:02:27,330 --> 00:02:14,600

provide 5.3 million pounds of thrust to

34

00:02:33,250 --> 00:02:30,339

discovery now flying 3,600 miles per