



1  
00:00:09,270 --> 00:00:03,990  
t minus 15 seconds the sound suppression

2  
00:00:15,190 --> 00:00:12,390  
we have a go for main engine

3  
00:00:17,349 --> 00:00:15,200  
and we have

4  
00:00:19,349 --> 00:00:17,359  
two one

5  
00:00:22,310 --> 00:00:19,359  
booster ignition and liftoff of

6  
00:00:24,870 --> 00:00:22,320  
discovery celebrating its 25th birthday

7  
00:00:27,349 --> 00:00:24,880  
by racking up science and supplies to

8  
00:00:28,950 --> 00:00:27,359  
the space station

9  
00:00:30,710 --> 00:00:28,960  
houston now controlling the midnight

10  
00:00:33,030 --> 00:00:30,720  
ride of rick sterko and his crew to the

11  
00:00:34,709 --> 00:00:33,040  
international space station discovery

12  
00:00:35,910 --> 00:00:34,719  
rolling onto the proper alignment for

13  
00:00:37,670 --> 00:00:35,920

its eight and a half minute ride to

14

00:00:39,430 --> 00:00:37,680

orbit four and a half million pounds of

15

00:00:49,430 --> 00:00:39,440

hardware in humans taking aim on the

16

00:00:54,069 --> 00:00:52,229

32 seconds into the flight

17

00:00:55,830 --> 00:00:54,079

the three liquid fuel main engines soon

18

00:00:57,350 --> 00:00:55,840

will throttle back to 72 percent of

19

00:00:58,950 --> 00:00:57,360

rated performance down in the bucket

20

00:01:03,430 --> 00:00:58,960

reducing the stress on the shuttle as it

21

00:01:06,710 --> 00:01:05,030

discovery three and a half miles in

22

00:01:08,390 --> 00:01:06,720

altitude

23

00:01:15,109 --> 00:01:08,400

four miles downrange from the kennedy

24

00:01:21,910 --> 00:01:16,950

i'm standing by for the throttle up call

25

00:01:21,920 --> 00:01:27,190

discovery

26

00:01:30,310 --> 00:01:28,710

the throttle up call acknowledged by

27

00:01:32,230 --> 00:01:30,320

commander rick sterko joined on the

28

00:01:33,990 --> 00:01:32,240

flight deck by pilot kevin ford flight

29

00:01:35,990 --> 00:01:34,000

engineer jose hernandez and pat

30

00:01:37,830 --> 00:01:36,000

forrester seated down on the mid-deck

31

00:01:40,310 --> 00:01:37,840

with danny olivas christopher fugelsang

32

00:01:42,069 --> 00:01:40,320

of the european space agency and nicole

33

00:01:46,950 --> 00:01:42,079

stott hitching a ride for three months

34

00:01:46,960 --> 00:01:51,590

one minute 30 seconds into the flight

35

00:01:56,550 --> 00:01:53,670

all of discovery systems performing

36

00:02:08,309 --> 00:01:56,560

normally 17 miles in altitude 18 miles

37

00:02:12,309 --> 00:02:10,550

one minute 50 seconds into the flight

38

00:02:25,910 --> 00:02:12,319

standing by for solid rocket booster

39

00:02:29,990 --> 00:02:27,910

booster officer confirms staging a good

40

00:02:31,750 --> 00:02:30,000

solid rocket booster separation guidance

41

00:02:33,350 --> 00:02:31,760

now converging the onboard computer