



1
00:00:08,839 --> 00:00:03,169
t-minus 15 seconds the sound suppression

2
00:00:16,000 --> 00:00:08,849
water system has been activated we have

3
00:00:18,529 --> 00:00:16,010
a go for main engine start two one

4
00:00:21,380 --> 00:00:18,539
booster ignition and liftoff of

5
00:00:23,900 --> 00:00:21,390
discovery celebrating its 25th birthday

6
00:00:27,290 --> 00:00:23,910
by racking up science and supplies to

7
00:00:28,939 --> 00:00:27,300
the space station Houston now

8
00:00:30,019 --> 00:00:28,949
controlling the midnight ride of Rick

9
00:00:32,420 --> 00:00:30,029
sturckow and his crew to the

10
00:00:34,130 --> 00:00:32,430
International Space Station discovery

11
00:00:35,270 --> 00:00:34,140
rolling on to the proper alignment for

12
00:00:37,130 --> 00:00:35,280
its eight and a half men arrived to

13
00:00:38,810 --> 00:00:37,140

orbit four-and-a-half million pounds of

14

00:00:48,459 --> 00:00:38,820

hardware in humans taking aim on the

15

00:00:54,069 --> 00:00:52,420

32 seconds into the flight three liquid

16

00:00:56,229 --> 00:00:54,079

fuel main engine soon will throttle back

17

00:00:57,850 --> 00:00:56,239

to 72 percent of rated performance down

18

00:01:03,279 --> 00:00:57,860

in the bucket reducing the stress on the

19

00:01:06,340 --> 00:01:03,289

shuttle as it goes transonic discovery

20

00:01:07,780 --> 00:01:06,350

three and a half miles in altitude four

21

00:01:16,090 --> 00:01:07,790

miles downrange from the Kennedy Space

22

00:01:25,770 --> 00:01:16,100

Center standing by for the throttle up

23

00:01:29,740 --> 00:01:28,090

the throttle up call acknowledged by

24

00:01:31,600 --> 00:01:29,750

Commander Rick sturckow joined on the

25

00:01:33,309 --> 00:01:31,610

flight deck by pilot Kevin Ford flight

26

00:01:35,529 --> 00:01:33,319

engineer Jose Hernandez and Pat

27

00:01:37,450 --> 00:01:35,539

Forrester seated down on the mid-deck or

28

00:01:39,999 --> 00:01:37,460

Danny Olivas Christer Fuglesang of the

29

00:01:41,680 --> 00:01:40,009

European Space Agency and Nicole Stott

30

00:01:46,840 --> 00:01:41,690

hitching a ride for three months on the

31

00:01:51,490 --> 00:01:46,850

International Space Station one minute

32

00:01:54,219 --> 00:01:51,500

30 seconds into the flight wall of

33

00:01:56,380 --> 00:01:54,229

discovery systems performing normally 17

34

00:02:06,960 --> 00:01:56,390

miles in altitude 18 miles downrange

35

00:02:11,710 --> 00:02:09,390

one minute 50 seconds into the flight

36

00:02:24,690 --> 00:02:11,720

standing by for solid rocket boosters

37

00:02:29,410 --> 00:02:27,339

booster officer confirms staging a good

38

00:02:31,180 --> 00:02:29,420

solid rocket booster separation guidance

39

00:02:32,649 --> 00:02:31,190

now converging the on-board computers