



1
00:00:13,039 --> 00:00:03,470
and the handoff has occurred Atlantis's

2
00:00:16,160 --> 00:00:13,049
computers now controlling 20 firing

3
00:00:20,340 --> 00:00:16,170
chain is armed sound suppression water

4
00:00:29,370 --> 00:00:25,580
at minus ten nine eight seven six five

5
00:00:33,150 --> 00:00:29,380
three main engines up and burning two

6
00:00:35,880 --> 00:00:33,160
one and liftoff of space shuttle

7
00:00:37,619 --> 00:00:35,890
Atlantis hoping in a new chapter in the

8
00:00:40,650 --> 00:00:37,629
completion of the International Space

9
00:00:44,420 --> 00:00:40,660
Station for the collaboration of nations

10
00:00:50,950 --> 00:00:48,540
Roger though Atlanta Houston is now

11
00:00:55,610 --> 00:00:52,520
Lanice is getting into

12
00:01:10,170 --> 00:00:55,620
down position on course for a 51.6

13
00:01:14,110 --> 00:01:12,670

Atlantis already two miles downrange

14

00:01:26,280 --> 00:01:14,120

from the Kennedy Space Center at an

15

00:01:31,210 --> 00:01:29,560

engines now at 72% beginning to throttle

16

00:01:37,500 --> 00:01:31,220

back up as the vehicle passes through

17

00:01:44,420 --> 00:01:41,960

Atlanta's Houston go at throttle up

18

00:01:46,950 --> 00:01:44,430

nothing going darlin

19

00:01:52,010 --> 00:01:46,960

all three liquid fueled engines are back

20

00:01:56,600 --> 00:01:54,440

one minute 20 seconds into the flight

21

00:01:58,789 --> 00:01:56,610

had liftoff the fully fueled shuttle

22

00:02:01,219 --> 00:01:58,799

boosters an external tank weighed about

23

00:02:02,870 --> 00:02:01,229

four and a half million pounds it now

24

00:02:10,070 --> 00:02:02,880

has burned half of that weight and

25

00:02:12,110 --> 00:02:10,080

propellant solid solid rocket boosters

26
00:02:17,360 --> 00:02:12,120
are burning 11,000 pounds of propellant

27
00:02:20,650 --> 00:02:17,370
every second coming up on one minute 45

28
00:02:23,949 --> 00:02:20,660
seconds standing by for a first stage

29
00:02:27,500 --> 00:02:23,959
separation of the solid rocket boosters

30
00:02:30,020 --> 00:02:27,510
Atlantis is at an altitude of 100 29,000

31
00:02:33,020 --> 00:02:30,030
feet 24 miles an out the 225 miles

32
00:02:41,870 --> 00:02:33,030
downrange all three engines are still