



1
00:00:20,330 --> 00:00:17,630
Phoenix is a lander that's going to the

2
00:00:23,150 --> 00:00:20,340
north polar highlands of Mars to look

3
00:00:25,400 --> 00:00:23,160
for evidence of habitable zones places

4
00:00:34,840 --> 00:00:25,410
where life might have existed in the

5
00:00:39,549 --> 00:00:37,360
moving flight hardware not even to

6
00:00:42,160 --> 00:00:39,559
mention an entire spacecraft is usually

7
00:00:45,729 --> 00:00:42,170
a delicate affair it's very meticulously

8
00:00:47,410 --> 00:00:45,739
coordinated there's you know arranging a

9
00:00:50,410 --> 00:00:47,420
police escort at three in the morning on

10
00:00:51,670 --> 00:00:50,420
a Monday morning and all the state and

11
00:00:53,579 --> 00:00:51,680
local authorities that need to know

12
00:00:56,020 --> 00:00:53,589
about something like that and all the

13
00:00:58,299 --> 00:00:56,030

paperwork that's required to essentially

14

00:01:00,609 --> 00:00:58,309

close down a section of the highway for

15

00:01:02,920 --> 00:01:00,619

a period of time there's a whole

16

00:01:05,439 --> 00:01:02,930

analysis process that goes along with

17

00:01:07,480 --> 00:01:05,449

making sure that the spacecraft on the

18

00:01:09,639 --> 00:01:07,490

back of a truck on a flatbed trailer in

19

00:01:11,260 --> 00:01:09,649

the box that is in isn't going to be

20

00:01:14,230 --> 00:01:11,270

exposed to any environment that it's not

21

00:01:15,760 --> 00:01:14,240

rated for so we know how much force a

22

00:01:18,060 --> 00:01:15,770

pothole in the road will induce on the

23

00:01:21,899 --> 00:01:20,010

just a little bit into the trip it's we

24

00:01:23,399 --> 00:01:21,909

had kind of a light rain and that's

25

00:01:25,710 --> 00:01:23,409

another thing that just makes you feel

26
00:01:27,480 --> 00:01:25,720
at ease with your spacecraft that you've

27
00:01:34,080 --> 00:01:27,490
had in the clean room up until that that

28
00:01:37,350 --> 00:01:34,090
point in time we have to fly a

29
00:01:45,170 --> 00:01:37,360
spacecraft on a plane all the way from

30
00:01:52,550 --> 00:01:45,180
one side of the country to the other and

31
00:01:55,760 --> 00:01:54,469
you kind of look at the box and you look

32
00:02:02,590 --> 00:01:55,770
at the aircraft you wonder whose it is

33
00:02:07,910 --> 00:02:05,179
when they open those rear doors there's

34
00:02:10,490 --> 00:02:07,920
this cavernous space inside even as big

35
00:02:21,600 --> 00:02:10,500
as it is this box just barely fits

36
00:02:34,360 --> 00:02:24,369
it was a really kind of manual brute

37
00:02:42,530 --> 00:02:37,430
it looks just like we're loading a box

38
00:02:49,099 --> 00:02:45,709

inside this box is such an enormous

39

00:02:50,899 --> 00:02:49,109

treasure this is something that these

40

00:02:55,390 --> 00:02:50,909

hundreds and hundreds of people have

41

00:03:02,630 --> 00:02:59,479

we've got air force pilots most

42

00:03:05,949 --> 00:03:02,640

trustworthy people they are flying this

43

00:03:09,349 --> 00:03:05,959

spacecraft from Denver to Cape Canaveral

44

00:03:17,380 --> 00:03:09,359

and we trust these pilots but we still

45

00:03:23,680 --> 00:03:21,220

we're tracking this spacecraft and this

46

00:03:27,370 --> 00:03:23,690

plane as its flying across the country

47

00:03:31,630 --> 00:03:27,380

and as Florida comes into view we think

48

00:03:33,940 --> 00:03:31,640

oh we're okay and we can relax we can't

49

00:03:36,010 --> 00:03:33,950

be relieved because we have up still a

50

00:03:39,130 --> 00:03:36,020

huge amount of work to do to get this

51

00:03:41,620 --> 00:03:39,140

spacecraft to the launch pad assembled

52

00:04:08,030 --> 00:03:41,630

properly all fueled up and ready to go