



1
00:00:15,379 --> 00:00:12,680
Phoenix is a lander that's going to the

2
00:00:18,200 --> 00:00:15,389
north polar highlands of Mars to look

3
00:00:20,450 --> 00:00:18,210
for evidence of habitable zones places

4
00:00:23,150 --> 00:00:20,460
where life might have existed in the

5
00:00:24,320 --> 00:00:23,160
past we're going to be repeating a

6
00:00:26,390 --> 00:00:24,330
number of tests that we did back in

7
00:00:28,580 --> 00:00:26,400
Denver both the Foley check out the

8
00:00:30,710 --> 00:00:28,590
spacecraft after the shipment as well as

9
00:00:32,479 --> 00:00:30,720
take on some minor updates to the

10
00:00:35,299 --> 00:00:32,489
software that we've been testing with

11
00:00:37,130 --> 00:00:35,309
overall once we get out into June then

12
00:00:39,740 --> 00:00:37,140
we've got a month it will be installing

13
00:00:41,569 --> 00:00:39,750

the ordinance and explosives onto the

14

00:00:44,680 --> 00:00:41,579

spacecraft that it needs to both

15

00:00:48,709 --> 00:00:44,690

separate itself and deploy the parachute

16

00:00:50,840 --> 00:00:48,719

this phase of the mission is basically

17

00:00:54,889 --> 00:00:50,850

the the final checkouts and close outs

18

00:00:57,350 --> 00:00:54,899

of the vehicle in preparation to made it

19

00:00:59,689 --> 00:00:57,360

to the third stage and to transport it

20

00:01:03,680 --> 00:00:59,699

out to the pad and get it stacked on the

21

00:01:05,990 --> 00:01:03,690

rocket and of course get it launched the

22

00:01:07,670 --> 00:01:06,000

most challenging part is as you get

23

00:01:09,560 --> 00:01:07,680

closer and closer to the end there's

24

00:01:11,660 --> 00:01:09,570

less and less room to recover if

25

00:01:14,300 --> 00:01:11,670

something doesn't go right so it's

26
00:01:16,460 --> 00:01:14,310
really just managing things and being on

27
00:01:18,020 --> 00:01:16,470
top of every little item because there's

28
00:01:19,680 --> 00:01:18,030
you know there's a point there where you

29
00:01:23,850 --> 00:01:19,690
can't become

30
00:01:27,250 --> 00:01:25,960
the biggest challenge this week is

31
00:01:29,110 --> 00:01:27,260
actually not the launch window for

32
00:01:30,910 --> 00:01:29,120
secondary good morning large but we are

33
00:01:32,860 --> 00:01:30,920
in our peak afternoon thunderstorm time

34
00:01:34,810 --> 00:01:32,870
of the year so the biggest challenges

35
00:01:37,360 --> 00:01:34,820
are the the propellant loading that has

36
00:01:39,280 --> 00:01:37,370
taken place on a pad over the last

37
00:01:43,660 --> 00:01:39,290
couple of days and it's been cancelled

38
00:01:46,990 --> 00:01:43,670

because of the thunderstorms we were

39

00:01:48,430 --> 00:01:47,000

supposed to load oxidizer and then fuel

40

00:01:51,010 --> 00:01:48,440

on to the second stage of the launch

41

00:01:53,920 --> 00:01:51,020

vehicle today and they got through the

42

00:01:56,260 --> 00:01:53,930

oxidizer load and then the prediction

43

00:01:58,480 --> 00:01:56,270

for weather this afternoon was not good

44

00:02:01,090 --> 00:01:58,490

so they decided to stand down from

45

00:02:03,400 --> 00:02:01,100

loading fuel which means they have to

46

00:02:06,700 --> 00:02:03,410

vote fuel tomorrow and because of that

47

00:02:08,199 --> 00:02:06,710

will likely slip spacecraft launched

48

00:02:10,960 --> 00:02:08,209

from what was planned to be friday

49

00:02:13,330 --> 00:02:10,970

morning to saturday one we have two days

50

00:02:14,590 --> 00:02:13,340

of our launch window before the shuttle

51
00:02:17,590 --> 00:02:14,600
you have to stand down for the shuttle

52
00:02:19,420 --> 00:02:17,600
launch and so we're hoping that we

53
00:02:20,860 --> 00:02:19,430
either get off in the first two days or

54
00:02:22,690 --> 00:02:20,870
the shuttle gets off and its first to

55
00:02:30,380 --> 00:02:22,700
hasten and then we can start planning to

56
00:02:41,270 --> 00:02:35,510
seven six five four main engines start

57
00:02:43,760 --> 00:02:41,280
to zero and liftoff of the Delta two

58
00:02:46,309 --> 00:02:43,770
rocket with Phoenix distant science

59
00:03:05,780 --> 00:02:46,319
outpost ceasing clues of the evolution

60
00:03:11,869 --> 00:03:08,470
being on the program as long as I have

61
00:03:13,970 --> 00:03:11,879
it's kind of like your kid going off to

62
00:03:18,259 --> 00:03:13,980
college here you're very excited very

63
00:03:21,649 --> 00:03:18,269

happy but also sad that your baby's

64

00:03:23,000 --> 00:03:21,659

basically go away and you know you're

65

00:03:26,569 --> 00:03:23,010

not going to hear from it again for

66

00:03:28,520 --> 00:03:26,579

eight or nine months there's a lot of

67

00:03:31,490 --> 00:03:28,530

joy a lot of sadness a lot of

68

00:03:53,530 --> 00:03:31,500

nervousness but that's part of the job