



1
00:00:20,880 --> 00:00:19,769
Lucy I'm here to tell you goodnight but

2
00:00:21,929 --> 00:00:20,890
it doesn't look like you'll be going to

3
00:00:23,700 --> 00:00:21,939
bed anytime soon

4
00:00:26,490 --> 00:00:23,710
tonight is the brightest and closest

5
00:00:27,960 --> 00:00:26,500
Mars has been to Earth since 2003 you

6
00:00:29,460 --> 00:00:27,970
know I've been seeing tons of headlines

7
00:00:31,859 --> 00:00:29,470
about Mars in the Space Launch space

8
00:00:33,930 --> 00:00:31,869
launch system Orion the lunar orbital

9
00:00:35,610 --> 00:00:33,940
platform gateway I'm in keeping up with

10
00:00:37,439 --> 00:00:35,620
all of it every step of the way

11
00:00:38,939 --> 00:00:37,449
we'll be on Mars sooner than you can

12
00:00:41,160 --> 00:00:38,949
imagine and I'll be right up there with

13
00:00:44,340 --> 00:00:41,170

them the world embraces those who follow

14

00:00:47,370 --> 00:00:44,350

their dreams Lucy this is my dream look

15

00:00:47,380 --> 00:00:56,690

[Music]

16

00:01:02,160 --> 00:01:00,090

it is my honor to introduce the Orion

17

00:01:04,890 --> 00:01:02,170

crew for this first mission to land

18

00:01:07,500 --> 00:01:04,900

humans on Mars these four brave

19

00:01:12,050 --> 00:01:07,510

astronauts are commander Benjamin

20

00:01:14,820 --> 00:01:12,060

chambers flight engineer James McCormick

21

00:01:17,490 --> 00:01:14,830

mission specialist and lead scientist

22

00:01:26,100 --> 00:01:17,500

Courtney Sanders and Lieutenant

23

00:01:28,109 --> 00:01:26,110

Commander and pilot Lucy Anderson our

24

00:01:31,320 --> 00:01:28,119

optimal flight window between Earth and

25

00:01:33,120 --> 00:01:31,330

Mars is now aligned only once every 26

26
00:01:35,639 --> 00:01:33,130
months it'd be a shame to miss that now

27
00:01:37,710 --> 00:01:35,649
wouldn't it indeed your research habitat

28
00:01:39,570 --> 00:01:37,720
is already established near the northern

29
00:01:41,370 --> 00:01:39,580
polar icecap through the previous

30
00:01:44,040 --> 00:01:41,380
deployment of several payloads and

31
00:01:45,719 --> 00:01:44,050
microgravity 3d printing systems pre

32
00:01:48,570 --> 00:01:45,729
starts with one year of food right

33
00:01:49,170 --> 00:01:48,580
correct as you finalize construction of

34
00:01:50,760 --> 00:01:49,180
the garden

35
00:01:52,620 --> 00:01:50,770
I hope you've sent up enough of those

36
00:01:54,779 --> 00:01:52,630
unbranded candy coated chocolates and

37
00:01:57,480 --> 00:01:54,789
orange drinks for James I'm sure you'll

38
00:02:04,830 --> 00:01:57,490

be satisfied mr. mckormick best of luck

39

00:02:06,810 --> 00:02:04,840

on your mission Orion Orion close and

40

00:02:09,120 --> 00:02:06,820

lock your visors and initiate oxygen

41

00:02:11,300 --> 00:02:09,130

flow affirmative Mission Control all

42

00:02:13,800 --> 00:02:11,310

systems are go we're ready to roll

43

00:02:30,009 --> 00:02:13,810

prepare for takeoff sequence beginning

44

00:02:34,670 --> 00:02:32,000

congratulations Orion you're now

45

00:02:40,899 --> 00:02:34,680

successfully on your way to Mars booster

46

00:02:45,740 --> 00:02:43,880

boosters are detached preparing to exit

47

00:02:48,770 --> 00:02:45,750

low Earth orbit in approximately eight

48

00:02:50,660 --> 00:02:48,780

minutes you need to reach 25,000 miles

49

00:02:52,250 --> 00:02:50,670

per hour to break out of low Earth orbit

50

00:02:54,619 --> 00:02:52,260

at an altitude of twelve hundred and

51
00:03:02,890 --> 00:02:54,629
seventy miles the board is green Mission

52
00:03:07,180 --> 00:03:05,150
detached from the Space Launch System

53
00:03:09,770 --> 00:03:07,190
and engaging thrusters to maximum power

54
00:03:16,699 --> 00:03:09,780
speed is at 23,000 miles per hour

55
00:03:17,360 --> 00:03:16,709
reaching 24,000 24 300 400 500 25,000

56
00:03:20,780 --> 00:03:17,370
miles per hour

57
00:03:21,740 --> 00:03:20,790
exiting low-earth orbit now welcome to

58
00:03:24,470 --> 00:03:21,750
space everyone

59
00:03:25,039 --> 00:03:24,480
Orion you successfully exited low-earth

60
00:03:28,460 --> 00:03:25,049
orbit

61
00:03:30,619 --> 00:03:28,470
platform gateway in the next couple of

62
00:03:34,400 --> 00:03:30,629
days then your nine-month journey to

63
00:03:36,080 --> 00:03:34,410

Mars will commence our computers are now

64

00:03:38,809 --> 00:03:36,090

synced with the lunar orbital platform

65

00:03:40,190 --> 00:03:38,819

gateway we see it it'll feel great to

66

00:03:42,860 --> 00:03:40,200

finally have a little more space to move

67

00:03:45,140 --> 00:03:42,870

around look outside you've got tons of

68

00:03:46,729 --> 00:03:45,150

space out there I'm sure you'll be happy

69

00:03:49,220 --> 00:03:46,739

to get away from mr. McCormick's jokes

70

00:03:50,870 --> 00:03:49,230

in due time ready system replenishment

71

00:04:06,270 --> 00:03:50,880

and ensure attachment to the extended

72

00:04:11,350 --> 00:04:08,910

[Music]

73

00:04:13,270 --> 00:04:11,360

we should be entering Martian orbit in

74

00:04:15,700 --> 00:04:13,280

approximately two hours let's run the

75

00:04:18,190 --> 00:04:15,710

numbers one last time this is what we've

76

00:04:20,950 --> 00:04:18,200

been dreaming of for decades

77

00:04:22,330 --> 00:04:20,960

trajectory to habitat confirmed prepare

78

00:04:30,700 --> 00:04:22,340

systems for Martian descent

79

00:04:40,869 --> 00:04:36,420

[Music]

80

00:04:43,779 --> 00:04:40,879

and with this step I can say with

81

00:04:48,950 --> 00:04:43,789

conviction there is life on Mars and