Mission Overview

1
00:00:15,350 --> 00:00:12,629
[Music]

2
00:00:19,029 --> 00:00:15,360
crew 4 is the fourth crew rotation

3
00:00:21,510 --> 00:00:19,039
flight for the spacex dragon vehicle

4
00:00:23,269 --> 00:00:21,520
crew four's goals are to

5
00:00:25,509 --> 00:00:23,279
safely and successfully get to the

6
00:00:27,670 --> 00:00:25,519
international space station and then to

7
00:00:29,109 --> 00:00:27,680
spend the a lot of time living and

8
00:00:31,429 --> 00:00:29,119
working in space

9
00:00:33,830 --> 00:00:31,439
meeting all of the planned research and

10
00:00:35,910 --> 00:00:33,840
science and maintenance goals of the

11
00:00:37,990 --> 00:00:35,920
space station program we are all like

12
00:00:41,030 --> 00:00:38,000
super excited about the opportunity to

13
00:00:44,470 --> 00:00:41,040

fly on a crew dragon spacecraft that

14
00:00:47,590 --> 00:00:44,480
vehicle is a super complex modern

15
00:00:50,389 --> 00:00:47,600
vehicle that enables us to get to space

16
00:00:53,430 --> 00:00:50,399
efficiently and safely

17
00:00:55,830 --> 00:00:53,440
my role as pilot on the dragon vehicle

18
00:00:58,310 --> 00:00:55,840
is primarily to monitor and maintain the

19
00:00:59,750 --> 00:00:58,320
systems of the vehicle itself to get a

20
00:01:02,470 --> 00:00:59,760
chance to pilot one of the newest

21
00:01:03,990 --> 00:01:02,480
vehicles on or off the planet is a true

22
00:01:07,030 --> 00:01:04,000
honor

23
00:01:09,590 --> 00:01:07,040
getting selected for crew 4 was

24
00:01:11,429 --> 00:01:09,600
was amazing because it it's it's an

25
00:01:13,510 --> 00:01:11,439
opportunity to go back to the

26
00:01:17,030 --> 00:01:13,520
international space station and

27
00:01:19,510 --> 00:01:17,040
experience again that transformation

28
00:01:20,870 --> 00:01:19,520
from being an earthbound creature to

29
00:01:23,109 --> 00:01:20,880
being this

30
00:01:24,710 --> 00:01:23,119
space living creature

31
00:01:27,350 --> 00:01:24,720
when you get to space station the yeah

32
00:01:29,590 --> 00:01:27,360
the first thing that really strikes is

33
00:01:31,749 --> 00:01:29,600
this feeling of weightlessness i'm so

34
00:01:32,870 --> 00:01:31,759
excited to revisit the space station it

35
00:01:35,350 --> 00:01:32,880
was home

36
00:01:37,670 --> 00:01:35,360
for five months back in 2015.

37
00:01:39,670 --> 00:01:37,680
you know we arrived on orbit and really

38
00:01:42,310 --> 00:01:39,680

within a couple of days my brain

39
00:01:44,310 --> 00:01:42,320
adjusted to the idea of floating not

40
00:01:47,030 --> 00:01:44,320
that i was good at it but the novelty of

41
00:01:49,350 --> 00:01:47,040
it i think that the fact that our brains

42
00:01:50,789 --> 00:01:49,360
can adapt to something that is so novel

43
00:01:52,789 --> 00:01:50,799
so different something that we're

44
00:01:54,789 --> 00:01:52,799
completely unaccustomed to for all of

45
00:01:57,510 --> 00:01:54,799
our lives and that it can just just

46
00:01:59,990 --> 00:01:57,520
adapt like that is absolutely amazing

47
00:02:03,429 --> 00:02:00,000
the international space station is a

48
00:02:05,670 --> 00:02:03,439
national laboratory built to do science

49
00:02:07,510 --> 00:02:05,680
the connecting element between all the

50
00:02:09,510 --> 00:02:07,520
experiments that we do up there is the

51
00:02:11,350 --> 00:02:09,520
space environment and specifically

52
00:02:13,190 --> 00:02:11,360
weightlessness microgravity as the

53
00:02:15,430 --> 00:02:13,200
scientists like to say

54
00:02:17,350 --> 00:02:15,440
when you're dealing with complex systems

55
00:02:19,510 --> 00:02:17,360
one way to learn how they work is to

56
00:02:21,510 --> 00:02:19,520
start removing variables we're able to

57
00:02:23,030 --> 00:02:21,520
do a lot of that down here on earth but

58
00:02:24,790 --> 00:02:23,040
one of the things that we have a

59
00:02:27,270 --> 00:02:24,800
challenge doing and we can't do is

60
00:02:28,869 --> 00:02:27,280
remove the effects of gravity and so by

61
00:02:30,630 --> 00:02:28,879
taking things to the international space

62
00:02:33,350 --> 00:02:30,640
station we can remove that and we can

63
00:02:35,270 --> 00:02:33,360

see how these complex systems work how

64
00:02:37,190 --> 00:02:35,280
things grow how they develop we do so

65
00:02:39,990 --> 00:02:37,200
much research up there that not only

66
00:02:42,470 --> 00:02:40,000
helps technologies and development down

67
00:02:44,390 --> 00:02:42,480
here on earth but it is also aiding

68
00:02:45,670 --> 00:02:44,400
nasa's pivot back into deep space

69
00:02:47,430 --> 00:02:45,680
exploration

70
00:02:49,910 --> 00:02:47,440
the work that we do every day helps us

71
00:02:52,070 --> 00:02:49,920
to better understand how the human body

72
00:02:53,910 --> 00:02:52,080
changes in weightlessness and to

73
00:02:56,150 --> 00:02:53,920
understand how to do the operations like

74
00:02:57,670 --> 00:02:56,160
spacewalks and robotic arm activities

75
00:03:00,309 --> 00:02:57,680
that are necessary

76
00:03:02,309 --> 00:03:00,319
for us to be successful in lunar orbit

77
00:03:05,110 --> 00:03:02,319
on the lunar surface and on our way to

78
00:03:05,830 --> 00:03:05,120
mars we get this awesome opportunity to

79
00:03:08,149 --> 00:03:05,840
be

80
00:03:10,869 --> 00:03:08,159
representatives of humanity of all of

81
00:03:12,229 --> 00:03:10,879
you and we don't take that lightly we're

82
00:03:14,790 --> 00:03:12,239
super honored to have that

83
00:03:19,280 --> 00:03:14,800
responsibility and are excited about

84
00:03:29,350 --> 00:03:19,290
sharing the journey with with all of you

85
00:03:32,040 --> 00:03:29,360
[Music]