



1  
00:00:03,669 --> 00:00:02,629  
nice

2  
00:00:06,630 --> 00:00:03,679  
all right

3  
00:00:14,390 --> 00:00:06,640  
got the waste starter on the

4  
00:00:17,349 --> 00:00:15,749  
and i got that fairly so the

5  
00:00:19,189 --> 00:00:17,359  
international space station just crossed

6  
00:00:21,830 --> 00:00:19,199  
the terminator line fully into an

7  
00:00:24,070 --> 00:00:21,840  
orbital daytime should provide a pretty

8  
00:00:26,710 --> 00:00:24,080  
spectacular view for these two as they

9  
00:00:28,470 --> 00:00:26,720  
translate to their first work sites alex

10  
00:00:31,269 --> 00:00:28,480  
as you're moving up towards the front

11  
00:00:56,389 --> 00:00:31,279  
face just to caution for you just avoid

12  
00:01:05,670 --> 00:00:58,630  
which is already nicely positioned i

13  
00:01:09,670 --> 00:01:07,350

just to try to keep you up with

14

00:01:13,670 --> 00:01:09,680

everything so wiseman uh mentioning the

15

00:01:15,429 --> 00:01:13,680

red it's a retractable equipment tether

16

00:01:18,710 --> 00:01:15,439

i could possibly go to the nader

17

00:01:23,510 --> 00:01:18,720

handrail but even that's a little fight

18

00:01:23,520 --> 00:01:39,429

check ingredient bye

19

00:01:44,310 --> 00:01:41,510

the whiff standing for a worksite

20

00:01:45,990 --> 00:01:44,320

interface it's going to assist uh gerst

21

00:01:48,149 --> 00:01:46,000

in setting up this uh

22

00:01:51,590 --> 00:01:48,159

portable foot restraint onto the

23

00:01:54,550 --> 00:01:53,510

okay we also i'm going to put a rat on

24

00:02:00,469 --> 00:01:54,560

the

25

00:02:03,270 --> 00:02:00,479

i'll see how that works if that's right

26

00:02:08,150 --> 00:02:05,510

yeah we're good with that

27

00:02:09,830 --> 00:02:08,160

Alexander Gerst has the pump module he's

28

00:02:12,550 --> 00:02:09,840

reorienting it

29

00:02:14,710 --> 00:02:12,560

the 180 degrees so it's in the proper uh

30

00:02:18,470 --> 00:02:14,720

configuration for installation once he

31

00:02:20,550 --> 00:02:18,480

arrives at the external storage platform

32

00:02:22,550 --> 00:02:20,560

which is going to be his next stop on

33

00:02:23,430 --> 00:02:22,560

the end of this space station robotic

34

00:02:25,030 --> 00:02:23,440

arm

35

00:02:27,750 --> 00:02:25,040

towards the right corner you can see the

36

00:02:31,190 --> 00:02:27,760

empty mli tent primed and prepped for

37

00:02:32,790 --> 00:02:31,200

the arrival of this pump module

38

00:02:34,830 --> 00:02:32,800

in that

39

00:02:37,589 --> 00:02:34,840

big mli tens right

40

00:02:42,630 --> 00:02:37,599

now for about 80 percent of it and that

41

00:02:47,110 --> 00:02:45,030

no gerst repositioning his hands on the

42

00:02:50,630 --> 00:02:47,120

pump module getting to the bottom or the

43

00:02:52,869 --> 00:02:50,640

nader uh the earth-facing side of it

44

00:02:55,190 --> 00:02:52,879

he's gonna need to get on that angle in

45

00:02:56,790 --> 00:02:55,200

order to uh help guide it in

46

00:02:58,790 --> 00:02:56,800

very good

47

00:03:01,270 --> 00:02:58,800

reid wiseman getting positioned himself

48

00:03:03,509 --> 00:03:01,280

to help call out commands to wilmore as

49

00:03:13,030 --> 00:03:03,519

they get ready to move the pump module

50

00:03:13,040 --> 00:03:20,070

one meter to go

51  
00:03:22,550 --> 00:03:21,830  
yes there's a u.s lab behind me that's

52  
00:03:24,630 --> 00:03:22,560  
right

53  
00:03:26,470 --> 00:03:24,640  
no further apart uh i think already i

54  
00:03:28,309 --> 00:03:26,480  
may need to work on body position but uh

55  
00:03:31,270 --> 00:03:28,319  
give me the settings and that was four

56  
00:03:32,710 --> 00:03:31,280  
turns wheels and it looks the bolts nice

57  
00:03:34,309 --> 00:03:32,720  
and free i can turn it with my hands so

58  
00:03:40,710 --> 00:03:34,319  
that looks good

59  
00:03:40,720 --> 00:03:49,190  
copy that's the work wheels

60  
00:03:52,470 --> 00:03:50,789  
okay there completes the x now we're

61  
00:03:54,229 --> 00:03:52,480  
going to take you

62  
00:03:55,830 --> 00:03:54,239  
venus here we go

63  
00:03:58,710 --> 00:03:55,840

everything going

64

00:04:00,949 --> 00:03:58,720

by the book not tracking any issues i

65

00:04:03,670 --> 00:04:00,959

still have to unlock the pan tilt

66

00:04:05,750 --> 00:04:03,680

mechanism on the camera itself

67

00:04:07,270 --> 00:04:05,760

following that he'll be able to uh back

68

00:04:10,630 --> 00:04:07,280

off

69

00:04:13,030 --> 00:04:10,640

on the space station robotic arm

70

00:04:15,670 --> 00:04:13,040

columbus this will be his last task on

71

00:04:17,830 --> 00:04:15,680

the robotic arm

72

00:04:19,590 --> 00:04:17,840

so reid wiseman in place now over at the

73

00:04:24,070 --> 00:04:19,600

mobile transporter getting ready to

74

00:04:24,080 --> 00:04:28,469

perfect thanks

75

00:04:31,189 --> 00:04:29,830

and i'm showing about a meter and a half

76

00:04:33,110 --> 00:04:31,199

do you agree

77

00:04:38,469 --> 00:04:33,120

uh butch uh just remind me this is uh

78

00:04:42,550 --> 00:04:39,749

had a quick view of the dragon

79

00:04:45,189 --> 00:04:42,560

spacecraft there you can see it on the

80

00:04:46,950 --> 00:04:45,199

top left corner here

81

00:04:53,030 --> 00:04:46,960

right next to it the robotic arm in its

82

00:04:56,469 --> 00:04:54,230

curse is going to head back to the

83

00:04:59,590 --> 00:04:56,479

airlock and stow the