



1  
00:00:17,349 --> 00:00:14,950  
well good morning houston that's a great

2  
00:00:19,830 --> 00:00:17,359  
song and it was written by my friend dan

3  
00:00:22,230 --> 00:00:19,840  
keenan and kenny mclaughlin they work on

4  
00:00:23,830 --> 00:00:22,240  
the thermal protection system team and

5  
00:00:26,390 --> 00:00:23,840  
it's a tribute to all the workers on

6  
00:00:29,029 --> 00:00:26,400  
endeavor and our sister shuttle

7  
00:00:31,349 --> 00:00:29,039  
and so to all of our friends we

8  
00:00:35,670 --> 00:00:31,359  
the we salute you it's the kennedy space

9  
00:00:39,510 --> 00:00:37,030  
watch the uh

10  
00:00:51,590 --> 00:00:39,520  
wire tie there with the mmod

11  
00:00:58,069 --> 00:00:52,389  
uh

12  
00:01:00,790 --> 00:00:58,079  
congratulations on being the 201st human

13  
00:01:02,790 --> 00:01:00,800

being to be in outer space i waited a

14

00:01:04,549 --> 00:01:02,800

long time to say those words to you

15

00:01:06,149 --> 00:01:04,559

congratulations

16

00:01:07,830 --> 00:01:06,159

thanks big thank you you know it's a

17

00:01:09,830 --> 00:01:07,840

dream come true for me

18

00:01:11,429 --> 00:01:09,840

it would be for anybody the first or the

19

00:01:12,950 --> 00:01:11,439

201st

20

00:01:17,030 --> 00:01:12,960

off

21

00:01:21,670 --> 00:01:18,950

through good checks uh you're the

22

00:01:24,630 --> 00:01:21,680

continue outboard today 19 and you're

23

00:01:30,310 --> 00:01:24,640

going to stow your cedar bag on s3

24

00:01:35,030 --> 00:01:32,630

that's greg chamotov with the broken red

25

00:01:38,310 --> 00:01:35,040

stripes on his suit

26  
00:01:40,469 --> 00:01:38,320  
carrying the materials iss experimenter

27  
00:01:42,789 --> 00:01:40,479  
retrieved that will be returned home

28  
00:01:45,270 --> 00:01:42,799  
he's going to put that in the

29  
00:01:47,270 --> 00:01:45,280  
shuttle's payload bay

30  
00:01:49,749 --> 00:01:47,280  
he's essentially at the

31  
00:01:52,630 --> 00:01:49,759  
interface between the us laboratory

32  
00:01:58,870 --> 00:01:52,640  
destiny and the unity module the first

33  
00:02:03,830 --> 00:02:01,749  
view from drew feustel's helmet camera

34  
00:02:05,429 --> 00:02:03,840  
as he is

35  
00:02:07,670 --> 00:02:05,439  
back up at the

36  
00:02:10,550 --> 00:02:07,680  
location where the missy 8 or the

37  
00:02:11,910 --> 00:02:10,560  
materials iss experiment will be

38  
00:02:13,350 --> 00:02:11,920

deployed

39

00:02:21,430 --> 00:02:13,360

on the

40

00:02:25,830 --> 00:02:23,030

a little more than two hours into the

41

00:02:28,790 --> 00:02:25,840

space walk now this view from uh

42

00:02:32,470 --> 00:02:28,800

greg chatmatov's helmet cam

43

00:02:34,790 --> 00:02:32,480

as he uh is in the steps associated with

44

00:02:36,390 --> 00:02:34,800

uh installing a light

45

00:02:39,110 --> 00:02:36,400

on a cedar cart

46

00:02:43,990 --> 00:02:42,630

out on one of the truss structures

47

00:02:47,670 --> 00:02:44,000

cover

48

00:02:49,830 --> 00:02:47,680

pgt

49

00:02:52,070 --> 00:02:49,840

and the n2 vessel and the starch cover

50

00:02:53,110 --> 00:02:52,080

you're clear to go to the outboard to

51

00:02:53,910 --> 00:02:53,120

the sarge

52

00:02:55,430 --> 00:02:53,920

and

53

00:02:57,350 --> 00:02:55,440

i think you remember the translation if

54

00:03:04,149 --> 00:02:57,360

you need any help just let us know and

55

00:03:08,149 --> 00:03:06,470

in 30 seconds gentlemen drew you can

56

00:03:10,470 --> 00:03:08,159

retrieve your red and then go back and

57

00:03:11,750 --> 00:03:10,480

get your green hook that'll be lucky i

58

00:03:14,869 --> 00:03:11,760

copy all

59

00:03:17,750 --> 00:03:14,879

as you want me to depart or

60

00:03:19,670 --> 00:03:17,760

yeah i got it from here okay it looks

61

00:03:21,110 --> 00:03:19,680

like

62

00:03:22,790 --> 00:03:21,120

once you've made it you should be okay

63

00:03:24,869 --> 00:03:22,800

you can even get rid of that right now

64

00:03:26,550 --> 00:03:24,879

if you want to

65

00:03:29,589 --> 00:03:26,560

connect it up here i can hold it so it

66

00:03:33,430 --> 00:03:31,589

and greg i have a note here that we

67

00:03:39,030 --> 00:03:33,440

wrote after our last reference for you

68

00:03:43,589 --> 00:03:41,190

now for the fun for you drew you're

69

00:03:45,030 --> 00:03:43,599

going to remove the four caps and you're

70

00:03:48,149 --> 00:03:45,040

going to use

71

00:03:49,910 --> 00:03:48,159

the brt wire tie and you want the first

72

00:03:52,869 --> 00:03:49,920

cap as far down on the wire as high as

73

00:04:05,910 --> 00:03:52,879

possible right in the four caps are j16

74

00:04:09,910 --> 00:04:08,149

so greg it looks like uh you got that

75

00:04:25,030 --> 00:04:09,920

soft docked and you're checking that

76

00:04:30,550 --> 00:04:25,990

and

77

00:04:31,909 --> 00:04:30,560

turns out to be the same thing

78

00:04:34,150 --> 00:04:31,919

so uh

79

00:04:35,350 --> 00:04:34,160

if i can repeat back what i heard drew's

80

00:04:38,070 --> 00:04:35,360

going to uh

81

00:04:39,430 --> 00:04:38,080

to clean up the the tools some tethers

82

00:04:41,030 --> 00:04:39,440

and

83

00:04:43,110 --> 00:04:41,040

make sure the cables are in a good

84

00:04:45,670 --> 00:04:43,120

configuration and then we'll send him

85

00:04:48,790 --> 00:04:45,680

over to the eventful extension bag

86

00:04:51,909 --> 00:04:48,800

then we'll have cavs uh run the steps

87

00:04:55,510 --> 00:04:51,919

that we talked about before steps 33-39

88

00:04:56,390 --> 00:04:55,520

and he'll clean up the area and take the

89

00:04:57,430 --> 00:04:56,400

his

90

00:04:59,510 --> 00:04:57,440

bag

91

00:05:01,590 --> 00:04:59,520

back to the airlock and by that time we

92

00:05:03,909 --> 00:05:01,600

should be pretty much tagged up and in

93

00:05:16,390 --> 00:05:03,919

before the 1 hour and 30 minutes how