



1
00:00:52,229 --> 00:00:40,229
you know i think it's time to give this

2
00:00:52,239 --> 00:01:11,030
you can't tell that one

3
00:01:11,040 --> 00:01:30,230
look at me

4
00:01:33,590 --> 00:01:31,590
good morning columbia we know you're

5
00:01:35,910 --> 00:01:33,600
ready to play and that you've even

6
00:01:40,310 --> 00:01:35,920
brought a ball with you so i guess it's

7
00:01:43,670 --> 00:01:42,149
you cut that right we'll have a ball

8
00:01:45,109 --> 00:01:43,680
playing with the ball

9
00:01:49,190 --> 00:01:45,119
and it's not center field with the

10
00:01:49,200 --> 00:02:17,510
can't have everything

11
00:02:21,190 --> 00:02:19,350
this view from one of the payload bay

12
00:02:23,510 --> 00:02:21,200
cameras looking up at the shuttle's

13
00:02:25,589 --> 00:02:23,520

robotic arm attached to the

14

00:02:27,990 --> 00:02:25,599

spartan satellite the red

15

00:02:29,830 --> 00:02:28,000

dots on the satellite the targets that

16

00:02:31,830 --> 00:02:29,840

will be used for this

17

00:02:34,229 --> 00:02:31,840

experiment operations with the video

18

00:02:36,790 --> 00:02:34,239

guidance sensor

19

00:02:39,110 --> 00:02:36,800

this experiment using the spartan

20

00:02:41,110 --> 00:02:39,120

satellite as a target and we'll collect

21

00:02:44,070 --> 00:02:41,120

tracking data both when the target is

22

00:02:48,869 --> 00:02:44,080

moving and also when the satellite is in

23

00:02:52,390 --> 00:02:50,309

and as mentioned the orbiter will be

24

00:02:54,070 --> 00:02:52,400

maneuvered as well to

25

00:02:56,150 --> 00:02:54,080

allow the video guidance sensors

26
00:02:59,110 --> 00:02:56,160
performance to be tested under different

27
00:03:02,630 --> 00:02:59,120
lighting conditions also 16 different

28
00:03:04,309 --> 00:03:02,640
positions as well as distances

29
00:03:45,350 --> 00:03:04,319
by maneuvering the robotic arm to

30
00:03:51,830 --> 00:03:49,030
the video guidance sensor testing uh

31
00:03:52,949 --> 00:03:51,840
visible now with the laser targeting

32
00:03:55,670 --> 00:03:52,959
underway

33
00:03:57,830 --> 00:03:55,680
this is uh position number seven

34
00:03:59,750 --> 00:03:57,840
through uh the mid deck input and

35
00:04:01,910 --> 00:03:59,760
through payload three

36
00:04:04,630 --> 00:04:01,920
apparently the flight deck input is on a

37
00:04:06,149 --> 00:04:04,640
different camera

38
00:04:07,670 --> 00:04:06,159

and that's it

39

00:04:12,949 --> 00:04:07,680

certainly is

40

00:04:12,959 --> 00:04:20,629

great

41

00:04:20,639 --> 00:04:26,950

you can call me from dgs

42

00:04:31,030 --> 00:04:29,830

go ahead

43

00:04:33,909 --> 00:04:31,040

yeah and uh

44

00:04:35,350 --> 00:04:33,919

auto position number 50 uh dropped out

45

00:04:38,629 --> 00:04:35,360

broke lock

46

00:04:40,230 --> 00:04:38,639

uh watched it for a while and it's

47

00:04:46,870 --> 00:04:40,240

getting locked and then braking lock it

48

00:04:46,880 --> 00:04:49,590

we copy

49

00:04:49,600 --> 00:04:54,390

and proceed on our next point

50

00:04:54,400 --> 00:05:48,710

copy and concur

51

00:05:48,720 --> 00:06:00,469

oh

52

00:06:00,479 --> 00:06:55,670

three minutes

53

00:06:55,680 --> 00:07:12,070

okay here we go

54

00:07:16,150 --> 00:07:13,830

and that was successful i have a

55

00:07:18,230 --> 00:07:16,160

successful soft dock

56

00:07:20,469 --> 00:07:18,240

again there is compliance in the clay it

57

00:07:22,309 --> 00:07:20,479

moves a little bit but not very much i

58

00:07:23,990 --> 00:07:22,319

guess maybe six or eight inches before i

59

00:07:32,469 --> 00:07:24,000

got soft dock i'm gonna release it and

60

00:07:36,790 --> 00:07:34,230

okay it's released it's back in soft

61

00:07:36,800 --> 00:07:41,749

i'll do the same thing

62

00:07:45,029 --> 00:07:43,749

now of course i'm looking

63

00:07:47,350 --> 00:07:45,039

underneath

64

00:07:49,589 --> 00:07:47,360

the cable caddy at the grid and the dogs

65

00:07:53,990 --> 00:07:49,599

to be sure that i line them up

66

00:07:57,189 --> 00:07:55,830

and i have soft stock that was good i'd

67

00:08:00,230 --> 00:07:57,199

give it an a

68

00:08:02,710 --> 00:08:00,240

for the small oru that was real nice

69

00:08:05,909 --> 00:08:02,720

but y'all would you yell the train just

70

00:08:07,830 --> 00:08:05,919

a bit more towards me please okay

71

00:08:25,510 --> 00:08:07,840

you're the crane towards you

72

00:08:25,520 --> 00:09:01,990

with the sideways

73

00:09:04,710 --> 00:09:03,750

i've got a

74

00:09:14,470 --> 00:09:04,720

four

75

00:09:14,480 --> 00:09:34,070

here we go

76

00:09:38,550 --> 00:09:37,190

okay and there's five turns

77

00:09:40,230 --> 00:09:38,560

and uh

78

00:09:41,990 --> 00:09:40,240

and i'm sure you're watching they're

79

00:09:43,350 --> 00:09:42,000

chasing and maybe houston but you could

80

00:09:46,230 --> 00:09:43,360

see

81

00:09:48,949 --> 00:09:46,240

the uh worksite move away from me as i

82

00:09:51,190 --> 00:09:48,959

attempted to depress the uh

83

00:09:53,829 --> 00:09:51,200

the guard that to drive the boat i can

84

00:10:17,350 --> 00:09:53,839

only move maybe a foot and i was able to

85

00:10:23,430 --> 00:10:20,470

during the pitch motion but it's pretty

86

00:10:23,440 --> 00:10:59,110

there you go

87

00:11:03,110 --> 00:11:01,269

sprint retrieved with

88

00:11:05,430 --> 00:11:03,120

the oiu tether

89

00:11:07,190 --> 00:11:05,440
you can store the oiu teller at the

90

00:11:24,949 --> 00:11:07,200
adjustable tools trigger and then get

91

00:11:30,710 --> 00:11:27,030
and columbia houston you have a go for

92

00:11:35,430 --> 00:11:32,790
roger winston you have to go to release

93

00:11:37,509 --> 00:11:35,440
okay steve here we go

94

00:12:19,509 --> 00:11:37,519
i've released it and i'm moving back out

95

00:12:24,470 --> 00:12:21,350
and steve we got good video down here we

96

00:12:56,310 --> 00:12:24,480
got excellent video down here

97

00:13:06,470 --> 00:12:58,389
as you can see i'm ready to

98

00:13:55,590 --> 00:13:07,750
stand by there to count while we're

99

00:15:06,069 --> 00:13:57,910
he's going back to step six full size of

100

00:15:11,189 --> 00:15:08,790
and columbia houston for sprint

101

00:15:15,189 --> 00:15:11,199

to give you guys a target

102

00:15:22,629 --> 00:15:15,199

we would like to initiate step 14

103

00:15:22,639 --> 00:15:26,470

copy

104

00:15:30,870 --> 00:15:29,030

and houston columbia i just like to pass

105

00:15:32,310 --> 00:15:30,880

on to the entire sprint team you know

106

00:15:33,749 --> 00:15:32,320

it's a real small group of people

107

00:15:35,829 --> 00:15:33,759

working on this and they worked very

108

00:15:37,910 --> 00:15:35,839

hard and uh i think they got a real

109

00:15:41,749 --> 00:15:37,920

honor here they hit a home run you can

110

00:15:45,509 --> 00:15:43,990

it flew even better than i expected so

111

00:15:47,749 --> 00:15:45,519

we're real pleased and i think we got a

112

00:15:49,590 --> 00:15:47,759

real good piece of technology for use