



1
00:01:51,439 --> 00:02:01,190
falling behind

2
00:02:01,200 --> 00:02:17,589
happy valentine's day discovery

3
00:02:17,599 --> 00:02:30,070
good morning chris

4
00:02:34,710 --> 00:02:31,430
and we're following you into the

5
00:02:34,720 --> 00:02:58,390
fantastic

6
00:02:58,400 --> 00:03:05,350
and joe we're waving back to you

7
00:03:05,360 --> 00:03:38,710
you look like a proud hog

8
00:03:38,720 --> 00:03:43,030
and we're waving to you too greg

9
00:03:43,040 --> 00:03:58,470
you guys look ready

10
00:03:58,480 --> 00:04:49,909
and we're with mark in the mid deck

11
00:04:57,270 --> 00:04:53,909
go ahead beautiful picture by the way

12
00:05:01,270 --> 00:04:57,280
i understand we have a go to rotate

13
00:05:05,350 --> 00:05:02,950

all right thank you

14

00:05:49,670 --> 00:05:05,360

joe did you know uh

15

00:06:00,150 --> 00:05:51,510

so everything i can see here looks okay

16

00:06:00,160 --> 00:06:03,670

discovery houston for joe

17

00:06:08,230 --> 00:06:05,110

yes good

18

00:06:09,830 --> 00:06:08,240

um we just got tv back in time to see

19

00:06:13,350 --> 00:06:09,840

you come out on the beginning of your

20

00:06:14,950 --> 00:06:13,360

very first eva welcome to space and uh

21

00:06:18,710 --> 00:06:14,960

it was nice seeing a big smile on your

22

00:06:24,469 --> 00:06:20,230

thank you uh jeff i think you're going

23

00:06:40,070 --> 00:06:26,230

you don't look as wet as the last time i

24

00:06:40,080 --> 00:07:13,510

around you

25

00:07:23,270 --> 00:07:14,790

is cracked

26

00:07:28,150 --> 00:07:25,510

it looks like it's cracked i don't see

27

00:07:30,309 --> 00:07:28,160

any place where it's crumbling

28

00:07:32,150 --> 00:07:30,319

um

29

00:07:33,350 --> 00:07:32,160

but i would recommend i guess that would

30

00:07:35,029 --> 00:07:33,360

be uh

31

00:07:36,390 --> 00:07:35,039

extra careful at not touching any of

32

00:07:38,150 --> 00:07:36,400

this mli

33

00:07:39,909 --> 00:07:38,160

in any of these days up here because

34

00:07:42,950 --> 00:07:39,919

it's just uh i think there's good

35

00:07:44,950 --> 00:07:42,960

potential for pieces to come off

36

00:07:56,830 --> 00:07:44,960

okay so it's kind of spider spider web

37

00:08:05,830 --> 00:08:00,869

description okay i'm gonna pull the pin

38

00:08:05,840 --> 00:08:15,830

hey joey

39

00:08:34,149 --> 00:08:18,629

dr stevie let's go up

40

00:08:38,389 --> 00:08:36,389

a little sticky

41

00:08:45,190 --> 00:08:38,399

the slightest jaw yesterday got me too

42

00:08:45,200 --> 00:08:49,590

that's the uh d interface

43

00:08:55,110 --> 00:08:51,750

there's a little sticky

44

00:09:11,910 --> 00:08:55,120

i'm free now though

45

00:09:11,920 --> 00:09:16,230

so the mirror is at the opening joe

46

00:09:34,230 --> 00:09:17,590

very nice

47

00:09:34,240 --> 00:09:37,350

housing

48

00:09:37,360 --> 00:10:13,030

very nice

49

00:10:13,040 --> 00:10:21,030

okay

50

00:10:25,030 --> 00:10:23,110

discover houston

51
00:10:27,430 --> 00:10:25,040
fgs aliveness test completed

52
00:10:31,509 --> 00:10:27,440
successfully

53
00:10:31,519 --> 00:10:40,069
thank you right

54
00:10:51,590 --> 00:10:43,030
okay dr stevie uh took me on a foot

55
00:10:54,630 --> 00:10:53,110
that door closes all right although it

56
00:10:55,670 --> 00:10:54,640
does want to spring open just a little

57
00:10:57,269 --> 00:10:55,680
bit

58
00:11:13,030 --> 00:10:57,279
all the seals look good on that door

59
00:11:13,040 --> 00:11:39,990
we got this here handle

60
00:11:40,000 --> 00:11:49,910
seven

61
00:12:05,269 --> 00:11:52,550
okay i'm on the bottom one

62
00:12:13,829 --> 00:12:07,190
discovery houston with a question on the

63
00:12:17,430 --> 00:12:15,590

go ahead joe's listening

64

00:12:19,670 --> 00:12:17,440

yeah um

65

00:12:22,710 --> 00:12:19,680

it's hard to tell from the pictures

66

00:12:24,710 --> 00:12:22,720

we're seeing here but it could well

67

00:12:27,190 --> 00:12:24,720

it looks like it might just be the

68

00:12:30,389 --> 00:12:27,200

outermost layer of the multi-layer

69

00:12:35,190 --> 00:12:30,399

insulation that's torn and pulling away

70

00:12:39,750 --> 00:12:37,670

yeah i can definitely verify that it's

71

00:12:43,350 --> 00:12:39,760

just a very thin layer

72

00:12:46,310 --> 00:12:43,360

of uh looks almost like aluminum foil

73

00:12:49,590 --> 00:12:46,320

and underneath that is the quilted

74

00:12:51,509 --> 00:12:49,600

blanket and it is fully intact

75

00:12:53,829 --> 00:12:51,519

i don't believe you know we don't have a

76

00:12:55,110 --> 00:12:53,839

problem of uh the protection from the

77

00:12:57,350 --> 00:12:55,120

door we just have a pile of

78

00:13:03,750 --> 00:12:57,360

contamination from this stuff that could

79

00:13:11,430 --> 00:13:06,150

bring me uh forward uh you would mark

80

00:13:11,440 --> 00:13:53,750

coming forward

81

00:13:59,110 --> 00:13:56,790

you a reflection of joe tanner and

82

00:14:00,550 --> 00:13:59,120

greg harbaugh and the telescope's aft

83

00:14:01,509 --> 00:14:00,560

shroud

84

00:14:03,430 --> 00:14:01,519

as

85

00:14:06,470 --> 00:14:03,440

the uh earth

86

00:14:08,870 --> 00:14:06,480

clearly in view behind them

87

00:14:11,509 --> 00:14:08,880

the uh orbiter has uh reached the

88

00:14:14,389 --> 00:14:11,519

midpoint of the

89

00:14:17,269 --> 00:14:14,399

60th orbit of the mission

90

00:14:18,870 --> 00:14:17,279

uh halfway uh through the 60th orbit of

91

00:14:19,990 --> 00:14:18,880

the mission just about to cross the

92

00:14:22,790 --> 00:14:20,000

equator

93

00:14:43,350 --> 00:14:22,800

traveling southeasterly across central

94

00:14:43,360 --> 00:14:49,430

up just a little bit more

95

00:15:05,110 --> 00:14:50,710

all right let's stop right there for a

96

00:15:05,120 --> 00:15:18,710

you're cool

97

00:15:23,430 --> 00:15:20,389

looking over the shoulder of astronaut

98

00:15:26,949 --> 00:15:23,440

greg harbaugh as he is looking into the

99

00:15:28,949 --> 00:15:26,959

bay c as it is called

100

00:15:31,030 --> 00:15:28,959

near the very top of the support systems

101
00:15:32,790 --> 00:15:31,040
module portion of the telescope where

102
00:15:35,110 --> 00:15:32,800
the optical control electronics is

103
00:15:37,269 --> 00:15:35,120
located that's a bay right in between

104
00:15:56,710 --> 00:15:37,279
the data interface unit and the fine

105
00:16:02,150 --> 00:16:00,150
about three minutes until sunrise

106
00:16:03,269 --> 00:16:02,160
would you like to take this trash bag

107
00:16:04,150 --> 00:16:03,279
for me

108
00:16:05,430 --> 00:16:04,160
yeah

109
00:16:06,470 --> 00:16:05,440
i'm gonna need it

110
00:16:08,550 --> 00:16:06,480
it's uh

111
00:16:11,430 --> 00:16:08,560
again a debris report here nothing

112
00:16:12,949 --> 00:16:11,440
noticeable in the bay nice and clean

113
00:16:15,910 --> 00:16:12,959

the very seals are good all the way

114

00:16:18,150 --> 00:16:15,920

around okay that's stevie take me down

115

00:16:21,189 --> 00:16:18,160

and uh going down

116

00:16:23,350 --> 00:16:21,199

with a cable

117

00:16:25,990 --> 00:16:23,360

uh report i did steve but just to

118

00:16:27,829 --> 00:16:26,000

reiterate no cable stress it's exactly

119

00:16:29,430 --> 00:16:27,839

the way we trained it

120

00:16:30,949 --> 00:16:29,440

through fnh

121

00:16:35,030 --> 00:16:30,959

very good

122

00:16:40,069 --> 00:16:37,030

go ahead yeah some more good news the

123

00:16:41,749 --> 00:16:40,079

oce aliveness test is uh successfully

124

00:16:44,150 --> 00:16:41,759

completed

125

00:16:45,430 --> 00:16:44,160

wow how about that for real time

126

00:16:47,670 --> 00:16:45,440

feedback

127

00:16:50,629 --> 00:16:47,680

and uh good news okay uh

128

00:16:52,470 --> 00:16:50,639

that's good dr stevie stop

129

00:16:54,150 --> 00:16:52,480

and discovery for steve

130

00:16:58,150 --> 00:16:54,160

when

131

00:16:59,590 --> 00:16:58,160

during the solar race slew we'd

132

00:17:02,150 --> 00:16:59,600

appreciate