

A background image showing a view of Earth from space, with a bright sun or starburst effect at the top center. The text is overlaid on this scene.

**FLIGHT  
DAY  
VIDEO FILE**

1  
00:00:38,760 --> 00:00:27,060  
[Music]

2  
00:01:00,869 --> 00:00:38,770  
[Applause]

3  
00:01:03,390 --> 00:01:00,879  
[Music]

4  
00:01:07,000 --> 00:01:03,400  
maybe

5  
00:01:09,380 --> 00:01:07,010  
[Music]

6  
00:01:15,800 --> 00:01:09,390  
crying

7  
00:01:17,260 --> 00:01:15,810  
[Music]

8  
00:01:17,890 --> 00:01:17,270  
[Applause]

9  
00:01:25,720 --> 00:01:17,900  
[Music]

10  
00:01:35,510 --> 00:01:25,730  
[Applause]

11  
00:01:40,890 --> 00:01:38,280  
endeavour Houston good morning we're

12  
00:01:42,990 --> 00:01:40,900  
looking forward to your walk today we

13  
00:01:44,460 --> 00:01:43,000

are 30 seconds from the VOE will pick

14

00:01:47,719 --> 00:01:44,470

you up on the other side in seven

15

00:01:56,010 --> 00:01:50,070

well good morning we had our dog we're

16

00:01:59,690 --> 00:01:56,020

scratching at the door you're loud and

17

00:02:03,540 --> 00:01:59,700

clear Houston and just the status report

18

00:02:05,910 --> 00:02:03,550

on his gloves right now and a t1 is

19

00:02:07,969 --> 00:02:05,920

halfway there went a little room and

20

00:02:14,910 --> 00:02:07,979

then we'll be both suited up

21

00:02:18,060 --> 00:02:14,920

Cathy dogface endeavour Houston for

22

00:02:21,810 --> 00:02:18,070

mid-deck TV we have an up coming glow

23

00:02:33,570 --> 00:02:21,820

test at 1553 we'd appreciate it if we

24

00:02:37,670 --> 00:02:35,880

and with the closing of the hatch the

25

00:02:40,860 --> 00:02:37,680

astronauts shortly will begin the

26  
00:02:43,530 --> 00:02:40,870  
15-minute procedure to depressurize the

27  
00:02:45,000 --> 00:02:43,540  
airlock to zero at which time the

28  
00:02:46,770 --> 00:02:45,010  
pressure in the airlock will be

29  
00:02:49,410 --> 00:02:46,780  
equivalent to the vacuum of space and

30  
00:02:50,730 --> 00:02:49,420  
then they'll get the go-ahead to open up

31  
00:02:52,590 --> 00:02:50,740  
the hatch and begin the six and a half

32  
00:02:54,780 --> 00:02:52,600  
hour spacewalk to test thermal

33  
00:02:58,290 --> 00:02:54,790  
modifications made to their spacesuits

34  
00:03:00,870 --> 00:02:58,300  
as well as some of the tools and some of

35  
00:03:04,680 --> 00:03:00,880  
the key techniques of minut dexterity

36  
00:03:06,840 --> 00:03:04,690  
and the handling of small screws tools

37  
00:03:09,300 --> 00:03:06,850  
connectors at a worksite in the payload

38  
00:03:11,580 --> 00:03:09,310

Bay which will ultimately be mimicked in

39

00:03:22,710 --> 00:03:11,590

the Assembly of the International Space

40

00:03:25,620 --> 00:03:22,720

Station this first television view of

41

00:03:34,800 --> 00:03:25,630

the spacewalk showing mission specialist

42

00:03:36,420 --> 00:03:34,810

Jim Voss and Mike Bernhard Voss in the

43

00:03:38,250 --> 00:03:36,430

current field of view wearing the

44

00:03:53,160 --> 00:03:38,260

spacesuit with the red stripes on the

45

00:04:02,900 --> 00:03:53,670

[Applause]

46

00:04:14,900 --> 00:04:11,190

[Music]

47

00:04:28,470 --> 00:04:21,960

okay okay looks about easy okay putting

48

00:04:30,270 --> 00:04:28,480

the root together on in this view behind

49

00:04:32,640 --> 00:04:30,280

gern heart at the end of the robot arm

50

00:04:43,440 --> 00:04:32,650

is the gold-foiled spartan solar science

51  
00:04:45,600 --> 00:04:43,450  
satellite I'm not putting any pressure

52  
00:04:48,060 --> 00:04:45,610  
on I'm just using it to stabilize we

53  
00:04:51,030 --> 00:04:48,070  
want to work with both ends giving the

54  
00:04:56,400 --> 00:04:51,040  
body strength better as just a means to

55  
00:05:02,370 --> 00:04:56,410  
hold me steady while I fetch my mini

56  
00:05:06,860 --> 00:05:02,380  
workstation feathers there's a joke but

57  
00:05:11,040 --> 00:05:06,870  
great work dizzy

58  
00:05:14,500 --> 00:05:11,050  
thank you yeah over there where I get

59  
00:05:14,510 --> 00:05:24,770  
[Music]

60  
00:05:37,570 --> 00:05:33,160  
okay okay

61  
00:05:55,640 --> 00:05:52,880  
Earnhardt is removing the shield again a

62  
00:05:57,230 --> 00:05:55,650  
test of the dexterity of Mike Earnhardt

63  
00:05:58,909 --> 00:05:57,240

as he stands in a portable foot

64

00:06:02,810 --> 00:05:58,919

restraint at the end of endeavours robot

65

00:06:17,780 --> 00:06:02,820

arm the shield is 0.06 three inches and

66

00:06:20,270 --> 00:06:17,790

thickness made of aluminum the comfort

67

00:06:26,900 --> 00:06:20,280

level is measured in a scale from two to

68

00:06:28,130 --> 00:06:26,910

eight to being the coldest acceptable

69

00:06:35,659 --> 00:06:28,140

condition eight being the hottest

70

00:06:39,530 --> 00:06:35,669

acceptable condition thank you I guess

71

00:06:41,450 --> 00:06:39,540

she was once to learn you didn't just

72

00:06:43,880 --> 00:06:41,460

let me know when you want to see I'm

73

00:06:54,679 --> 00:06:43,890

going to be doing

74

00:07:00,119 --> 00:06:57,499

again in your picture astronaut Jim Vasa

75

00:07:02,459 --> 00:07:00,129

out over the starboard sill of the

76  
00:07:15,300 --> 00:07:02,469  
payload Bay he wearing the suit with the

77  
00:07:16,679 --> 00:07:15,310  
red stripes at the top just because it

78  
00:07:33,929 --> 00:07:16,689  
clearance I would recommend they get a

79  
00:07:36,050 --> 00:07:33,939  
little bit more again gern hard

80  
00:07:39,179 --> 00:07:36,060  
manipulating multi-layer insulation

81  
00:07:41,550 --> 00:07:39,189  
blanketing at the worksite along the

82  
00:07:44,070 --> 00:07:41,560  
starboard side of the payload Bay the

83  
00:08:02,610 --> 00:07:44,080  
type of insulation that will cover Space

84  
00:08:04,980 --> 00:08:02,620  
Station modules into it right above

85  
00:08:19,620 --> 00:08:04,990  
Voss's head right now is the Spartan

86  
00:08:19,630 --> 00:08:48,690  
[Music]

87  
00:08:48,700 --> 00:08:53,500  
[Applause]

88  
00:09:05,270 --> 00:08:56,300

okay I got the hair hold remove put the

89

00:09:09,580 --> 00:09:05,280

decade there that we typically find this

90

00:09:37,850 --> 00:09:36,080

okay as endeavor crosses the the west

91

00:09:39,950 --> 00:09:37,860

coast of Africa at an altitude of about

92

00:09:41,900 --> 00:09:39,960

two hundred fourteen statute miles

93

00:09:49,400 --> 00:09:41,910

Jim Voss being lowered back toward

94

00:09:53,800 --> 00:09:52,610

[Music]

95

00:09:56,530 --> 00:09:53,810

[Applause]

96

00:10:02,860 --> 00:09:56,540

[Music]

97

00:10:05,280 --> 00:10:02,870

[Applause]

98

00:10:36,420 --> 00:10:05,290

[Music]

99

00:10:41,259 --> 00:10:39,069

let's take you back with a good cheer

100

00:10:51,160 --> 00:10:41,269

and what job would you like me to work

101  
00:10:52,869 --> 00:10:51,170  
oh hey I'm Pluto CJ can you take a look

102  
00:10:59,290 --> 00:10:52,879  
at the rigid chatter it seems to be

103  
00:11:24,850 --> 00:10:59,300  
filed on something we're trying to look

104  
00:11:26,079 --> 00:11:24,860  
back now okay no no it is not like need

105  
00:11:38,200 --> 00:11:26,089  
you back up on this hill

106  
00:11:49,000 --> 00:11:40,090  
[Applause]

107  
00:11:50,740 --> 00:11:49,010  
well if they can be there some stress

108  
00:11:51,220 --> 00:11:50,750  
therefore those two facts that are in

109  
00:11:52,870 --> 00:11:51,230  
the way

110  
00:11:57,120 --> 00:11:52,880  
I'll get them after we take the folks

111  
00:12:00,250 --> 00:11:57,130  
back off large it might be tonight so

112  
00:12:02,860 --> 00:12:00,260  
I'm going to put it in on the wildlife

113  
00:12:14,200 --> 00:12:02,870

and I think you could do it free coding

114

00:12:25,300 --> 00:12:14,210

but we ought to do it this way okay we

115

00:12:28,510 --> 00:12:25,310

got it is reattaching a debris shield to

116

00:12:30,430 --> 00:12:28,520

the task board on which a number of tool

117

00:12:35,960 --> 00:12:30,440

handling techniques were evaluated

118

00:12:35,970 --> 00:12:39,990

[Music]

119

00:12:40,000 --> 00:12:43,360

[Applause]

120

00:12:43,370 --> 00:12:51,420

[Music]

121

00:12:54,800 --> 00:12:54,580

[Applause]

122

00:13:12,020 --> 00:12:54,810

[Music]

123

00:13:41,020 --> 00:13:25,230

[Applause]

124

00:14:07,570 --> 00:13:43,650

[Music]

125

00:14:07,580 --> 00:14:14,250

right

126

00:14:27,700 --> 00:14:16,900

evie - Mike Bernhardt now working at

127

00:14:31,150 --> 00:14:27,710

removing the thermal cube that thermal

128

00:14:32,830 --> 00:14:31,160

cube was providing objective data as to

129

00:14:34,930 --> 00:14:32,840

the temperatures that were being

130

00:14:37,900 --> 00:14:34,940

experienced by the two crew members as

131

00:14:40,510 --> 00:14:37,910

they worked outside in endeavours

132

00:14:42,580 --> 00:14:40,520

payload Bay in addition to that

133

00:14:45,790 --> 00:14:42,590

objective data recorded on the thermal

134

00:14:47,620 --> 00:14:45,800

cube the astronauts also reported their

135

00:14:50,290 --> 00:14:47,630

own subjective feelings on a scale

136

00:14:55,210 --> 00:14:50,300

ranging from two to eight with two being

137

00:14:57,100 --> 00:14:55,220

cold and eight being hot and now Jim

138

00:15:00,280 --> 00:14:57,110

Newman on board endeavour maneuvering

139

00:15:02,850 --> 00:15:00,290

Jim Voss toward the airlock so that he

140

00:15:05,050 --> 00:15:02,860

can restore this multi-layer insulation

141

00:15:07,090 --> 00:15:05,060

blanket and the thermal cube that he

142

00:15:09,340 --> 00:15:07,100

holds in his hand as the astronauts

143

00:15:12,850 --> 00:15:09,350

continue configuring endeavour and

144

00:15:15,850 --> 00:15:12,860

cleaning up the payload Bay at the final

145

00:15:17,860 --> 00:15:15,860

portions of today's spacewalk and we are

146

00:15:20,350 --> 00:15:17,870

currently at the six hour mark of that

147

00:15:30,330 --> 00:15:20,360

spacewalk just slightly behind the time

148

00:16:04,630 --> 00:15:31,800

[Applause]

149

00:16:07,870 --> 00:16:06,579

the two astronauts are in the final

150

00:16:10,600 --> 00:16:07,880

stages of cleaning up endeavours payload

151

00:16:12,430 --> 00:16:10,610

Bay and will shortly be entering the

152

00:16:14,290 --> 00:16:12,440

airlock to conclude their spacewalk

153

00:16:16,030 --> 00:16:14,300

which saw them test some thermal

154

00:16:18,759 --> 00:16:16,040

modifications to their spacesuits as

155

00:16:21,910 --> 00:16:18,769

well as evaluate a series of tools and

156

00:16:28,740 --> 00:16:21,920

tool handling techniques for the

157

00:16:37,389 --> 00:16:31,329

never back away the attairder ceased and

158

00:16:41,829 --> 00:16:37,399

we're on the mid-day this is Mission

159

00:16:44,670 --> 00:16:41,839

Control Houston the hatched from the

160

00:16:48,430 --> 00:16:44,680

airlock to the mid-deck has been opened