



1
00:00:00,500 --> 00:00:09,790
[Music]

2
00:00:09,790 --> 00:00:10,650
>>Alright so what's going on?

3
00:00:10,650 --> 00:00:13,220
You two guys are all dressed up
today, what's going to happen?

4
00:00:13,220 --> 00:00:16,460
>>EVA [inaudible] number three out of four.

5
00:00:16,460 --> 00:00:17,130
>>Yeah.

6
00:00:17,130 --> 00:00:19,780
>>We only have two more total after this.

7
00:00:19,780 --> 00:00:21,550
>>Only two total?

8
00:00:21,550 --> 00:00:21,620
>>[Inaudible.]

9
00:00:21,620 --> 00:00:25,150
>>>And you've got four space
walks on the whole flight, right?

10
00:00:25,150 --> 00:00:27,440
>>So we're doing our finals next.

11
00:00:27,440 --> 00:00:29,220
>>Alright, and so you're
outside for how many Mike?

12
00:00:29,220 --> 00:00:30,470
>>This time, three.

13

00:00:30,470 --> 00:00:32,220

>>What do you mean this time?

14

00:00:32,220 --> 00:00:34,070

>>Well I have six [inaudible]
in the Russian [inaudible].

15

00:00:34,070 --> 00:00:35,380

>>Alright, stop bragging.

16

00:00:35,380 --> 00:00:37,240

See right away he throws that in there.

17

00:00:37,240 --> 00:00:39,950

Every question I ask you is going to
be like somehow you're going to work

18

00:00:39,950 --> 00:00:41,460

in through another question
that you want to say.

19

00:00:41,460 --> 00:00:41,530

>>[Inaudible.]

20

00:00:41,530 --> 00:00:43,370

>>Is that...go ahead.

21

00:00:43,370 --> 00:00:46,280

How long is your flight today Mike?

22

00:00:46,280 --> 00:00:46,410

>>[Inaudible.]

23

00:00:46,410 --> 00:00:49,420

>>This flight is fourteen days,
but I spent a few years in space.

24

00:00:49,420 --> 00:00:53,270

Go ahead [inaudible], what were you going to say now?

25

00:00:53,270 --> 00:00:54,060

>>On Hubbell [inaudible.]

26

00:00:54,060 --> 00:00:54,150

>>Yeah [laughter].

27

00:00:54,150 --> 00:00:55,550

Does he give you a lot "on Hubbell" stuff?

28

00:00:55,550 --> 00:00:57,990

>>You know, but I appreciate it for what it's worth.

29

00:00:57,990 --> 00:00:58,380

>>What's that?

30

00:00:58,380 --> 00:00:59,070

>>Nothing [laughter].

31

00:00:59,070 --> 00:01:02,610

>>Really, the Hubbell space telescope is worth nothing?

32

00:01:02,610 --> 00:01:02,940

Ok so...

33

00:01:02,940 --> 00:01:03,010

>>

34

00:01:03,010 --> 00:01:10,040

[Inaudible Comment]

35

00:01:10,040 --> 00:01:13,000

>>No but see what the really neat thing is, is that what you guys did,

36

00:01:13,000 --> 00:01:16,130

including Drew on Hubbell, is
really helping us to make...

37

00:01:16,130 --> 00:01:18,790

>>Oh by the way, this is the serious
Mike Fincke [assumed spelling].

38

00:01:18,790 --> 00:01:20,070

This is serious Fincke now.

39

00:01:20,070 --> 00:01:21,480

He's turning on the charm.

40

00:01:21,480 --> 00:01:22,400

>>I'm just saying.

41

00:01:22,400 --> 00:01:22,850

>>What's that?

42

00:01:22,850 --> 00:01:26,810

>>I'm just saying, what you guys did not
just helped out science and the community,

43

00:01:26,810 --> 00:01:28,710

but it helped out this particular mission

44

00:01:28,710 --> 00:01:30,860

and I've learned a lot from
Drew and I appreciate it.

45

00:01:30,860 --> 00:01:34,410

>>I'm keeping the camera on because I
want to see you go like, "Yeah right."

46

00:01:34,410 --> 00:01:35,510

>>No!

47

00:01:35,510 --> 00:01:39,550

[Inaudible Comment]

48

00:01:39,550 --> 00:01:41,020

He's learned nothing from me [laughter].

49

00:01:41,020 --> 00:01:43,130

>>You know I've never seen the space station.

50

00:01:43,130 --> 00:01:44,250

>>No, neither have I.

51

00:01:44,250 --> 00:01:47,130

>>I've been out in the suit, but I've never seen in the space station so I have these guys.

52

00:01:47,130 --> 00:01:50,290

It's kind of like having my own personal trainers

53

00:01:50,290 --> 00:01:53,230

for you know what happens on the space station.

54

00:01:53,230 --> 00:01:54,270

>>What it's like?

55

00:01:54,270 --> 00:01:54,340

>>[Inaudible.]

56

00:01:54,340 --> 00:01:54,570

>>Yeah.

57

00:01:54,570 --> 00:01:54,640

>>[Inaudible.]

58

00:01:54,640 --> 00:01:57,250

>>Does it seem complicated?

59

00:01:57,250 --> 00:01:57,750

>>Yes.

60

00:01:57,750 --> 00:01:59,880

>>More complicated then what we did, you know like on a...

61

00:01:59,880 --> 00:01:59,950

>>[Inaudible.]

62

00:01:59,950 --> 00:02:01,000

>>Alright.

63

00:02:01,000 --> 00:02:02,170

Hello.

64

00:02:02,170 --> 00:02:02,620

>>Hi.

65

00:02:02,620 --> 00:02:05,060

>>What's going on [inaudible]?

66

00:02:05,060 --> 00:02:07,250

Hello Alison.

67

00:02:07,250 --> 00:02:07,370

>>What?

68

00:02:07,370 --> 00:02:08,070

>>What's going on now?

69

00:02:08,070 --> 00:02:08,310

>>Oh.

70

00:02:08,310 --> 00:02:10,860

>>Do you have to like straighten out and get ready to brief [inaudible]?

71
00:02:10,860 --> 00:02:11,570
>>No [inaudible].

72
00:02:11,570 --> 00:02:11,780
>>What?

73
00:02:11,780 --> 00:02:14,720
>>These are management fingers.

74
00:02:14,720 --> 00:02:15,030
>>What?

75
00:02:15,030 --> 00:02:16,120
>>These are management fingers.

76
00:02:16,120 --> 00:02:17,780
>>Really, what does that mean?

77
00:02:17,780 --> 00:02:19,260
>>I have [inaudible] who actually do the work.

78
00:02:19,260 --> 00:02:20,430
>>Really? These people over here?

79
00:02:20,430 --> 00:02:21,430
>>Yes.

80
00:02:21,430 --> 00:02:21,770
>>Alright.

81
00:02:21,770 --> 00:02:26,030
So is this just going to be one big party today,
or is someone going to tell us what's going on?

82
00:02:26,030 --> 00:02:28,230
Are you actually going to
get to work eventually?

83
00:02:28,230 --> 00:02:30,280
>>We'll eventually get to work.

84
00:02:30,280 --> 00:02:30,620
>>Alright.

85
00:02:30,620 --> 00:02:32,140
How are these guys doing by the way?

86
00:02:32,140 --> 00:02:34,840
I know they're right here,
but you can tell me the truth.

87
00:02:34,840 --> 00:02:35,500
>>They're pretty good.

88
00:02:35,500 --> 00:02:36,340
>>Really?

89
00:02:36,340 --> 00:02:36,410
>>[Inaudible.]

90
00:02:36,410 --> 00:02:39,330
>>Don't say that because
they're going to get a big head.

91
00:02:39,330 --> 00:02:42,630
Say something...while they're
listening, say something bad.

92
00:02:42,630 --> 00:02:42,800
>>Oh.

93
00:02:42,800 --> 00:02:44,510
>>So like a mistake they made or something.

94
00:02:44,510 --> 00:02:45,900
>>Drew is a "prima donna."

95

00:02:45,900 --> 00:02:46,930

>>He is? That's not bad.

96

00:02:46,930 --> 00:02:48,710

He should be he is a "prima donna."

97

00:02:48,710 --> 00:02:49,920

So they're doing good though, aren't they?

98

00:02:49,920 --> 00:02:50,210

>>They are.

99

00:02:50,210 --> 00:02:53,870

>>Yeah, you're not going to have any trouble with these guys.

100

00:02:53,870 --> 00:02:56,380

What's your theme song there Mike, what is that?

101

00:02:56,380 --> 00:02:57,510

>>It's by [inaudible].

102

00:02:57,510 --> 00:03:03,300

[Music]

103

00:03:03,300 --> 00:03:04,660

>>I mean why is that your theme song?

104

00:03:04,660 --> 00:03:07,060

>>We don't know, what is that our theme song?

105

00:03:07,060 --> 00:03:08,780

>>It's one of those...

106

00:03:08,780 --> 00:03:10,040

>>We thought it was a final countdown.

107

00:03:10,040 --> 00:03:11,750

>>Is that a final count down?

108

00:03:11,750 --> 00:03:11,820

>>[Inaudible.]

109

00:03:11,820 --> 00:03:15,570

>>[Inaudible] we want the final
countdown for your endeavor, right?

110

00:03:15,570 --> 00:03:17,720

>>The real song is the "Yellow Submarine."

111

00:03:17,720 --> 00:03:19,850

>>The "Yellow submarine?"

112

00:03:21,820 --> 00:03:21,230

Why is that?

113

00:03:21,820 --> 00:03:22,010

>>

114

00:03:22,010 --> 00:03:28,040

[Inaudible Comment]

115

00:03:28,040 --> 00:03:29,040

>>I did, I don't remember why.

116

00:03:29,040 --> 00:03:31,650

I like the Beatles, but I don't remember why.

117

00:03:31,650 --> 00:03:33,720

>>How many space walks have
you done total in space?

118

00:03:33,720 --> 00:03:36,980

>>I've worked close to their
international partner, the Russians

119

00:03:36,980 --> 00:03:38,930
and that's six in the Orlon suit.

120

00:03:38,930 --> 00:03:39,810
>>Six in the Orlon.

121

00:03:39,810 --> 00:03:42,630
>>And it's a different suit.

122

00:03:42,630 --> 00:03:45,230
>>Oh so you say [inaudible],
that's just six in the Orlon?

123

00:03:45,230 --> 00:03:46,150
>>Yeah, just six in the Orlon.

124

00:03:46,150 --> 00:03:48,220
>>Ok, it's a completely...that's
a Russian space suit?

125

00:03:48,220 --> 00:03:49,290
>>It's a very Russian space suit.

126

00:03:49,290 --> 00:03:51,380
>>How long were those space
walks that you took [inaudible]?

127

00:03:51,380 --> 00:03:53,150
>>They were roughly about five hours.

128

00:03:53,150 --> 00:03:54,020
>>About five hours.

129

00:03:54,020 --> 00:03:57,000
And that's a different suit media,
what's the differences there for you?

130

00:03:57,000 --> 00:04:01,320

>>The main thing is the American suit is called the extravehicular mobility unit

131

00:04:01,320 --> 00:04:04,140

so the Americans is actually a lot more mobile.

132

00:04:04,140 --> 00:04:05,320

>>The big white suit?

133

00:04:05,320 --> 00:04:07,210

>>The big white suit.

134

00:04:07,210 --> 00:04:11,970

>>That you're going to get into here, there's your pants.

135

00:04:11,970 --> 00:04:17,140

>>It runs at a lower pressure.

136

00:04:17,140 --> 00:04:24,960

The internal pressure is about four pounds per square inch.

137

00:04:24,960 --> 00:04:25,560

>>Right.

138

00:04:25,560 --> 00:04:29,100

>>The Russian's is about six pounds per square inch.

139

00:04:29,100 --> 00:04:29,600

>>Ok.

140

00:04:29,600 --> 00:04:32,020

>>You can't move as well.

141

00:04:32,020 --> 00:04:34,960

>>So it's harder to move that Russian suit?

142

00:04:34,960 --> 00:04:40,250

>>But the [inaudible], all of the things we watch out for, [inaudible],

143

00:04:40,250 --> 00:04:46,320

in the Russian suit are a lot easier [inaudible].

144

00:04:46,320 --> 00:04:47,300

>>[Inaudible] higher pressure.

145

00:04:47,300 --> 00:04:53,000

Easier for you to do to pre-breathe and get ready, but harder for you to move

146

00:04:53,000 --> 00:04:55,380

in if you've got a higher pressure.

147

00:04:55,380 --> 00:04:56,190

>>Exactly.

148

00:04:56,190 --> 00:05:01,970

So each suit has their strengths and weaknesses and I'm lucky and fortunate

149

00:05:01,970 --> 00:05:05,850

to have a chance to [inaudible] in both.

150

00:05:05,850 --> 00:05:06,700

>>That's pretty cool.

151

00:05:06,700 --> 00:05:09,280

You've got to get him ready now?

152

00:05:09,280 --> 00:05:09,610

>>Yeah.

153

00:05:09,610 --> 00:05:11,130
>>Got to put his pants on?

154
00:05:11,130 --> 00:05:11,230
>>Yeah.

155
00:05:11,230 --> 00:05:11,350
>>[Inaudible.]

156
00:05:11,350 --> 00:05:18,920
>>Now you tried to do a space
walk in one of these right Mike

157
00:05:18,920 --> 00:05:21,960
when you were on the space station?

158
00:05:21,960 --> 00:05:24,010
>>That's exactly it.

159
00:05:24,010 --> 00:05:25,300
>>What happened?

160
00:05:25,300 --> 00:05:28,410
>>Well the Columbia, after
Columbia the shuttle wasn't flying.

161
00:05:28,410 --> 00:05:29,480
>>Right.

162
00:05:29,480 --> 00:05:31,020
>>And we didn't have a chance...

163
00:05:31,020 --> 00:05:33,290
>>And you were in space then, weren't you?

164
00:05:33,290 --> 00:05:37,840
>>Thanks to the Russians.

165

00:05:37,840 --> 00:05:39,060

>>Right, you want up on the Soyuz?

166

00:05:39,060 --> 00:05:39,240

>>And...

167

00:05:39,240 --> 00:05:42,370

>>Were you supposed to go up on the shuttle initially?

168

00:05:42,370 --> 00:05:43,110

>>Yes.

169

00:05:43,110 --> 00:05:43,750

>>You were really?

170

00:05:43,750 --> 00:05:46,000

And then you got switched over to the Soyuz?

171

00:05:46,000 --> 00:05:46,330

>>Yes sir.

172

00:05:46,330 --> 00:05:47,950

>>That's interesting, ok.

173

00:05:47,950 --> 00:05:50,800

>>They used to speak Russian sometimes.

174

00:05:50,800 --> 00:05:50,950

>>Alright.

175

00:05:50,950 --> 00:05:53,990

>>So it turns out the American suits have been in space for a long time

176

00:05:53,990 --> 00:05:55,100

and they've got contamination on the inside.

177

00:05:55,100 --> 00:05:56,360

>>You tell me the story while
you put your pants on.

178

00:05:56,360 --> 00:05:56,430

>>[Inaudible.]

179

00:05:56,430 --> 00:05:57,470

>>You're doing two things
at once, I'm impressed.

180

00:05:57,470 --> 00:05:58,280

So you got some contamination.

181

00:05:58,280 --> 00:05:59,030

The water got contaminated.

182

00:05:59,030 --> 00:06:00,950

>>Right, so we couldn't run the suits
because the cooling system wasn't working.

183

00:06:00,950 --> 00:06:01,070

>>Right.

184

00:06:01,070 --> 00:06:02,480

>>So we went to our international
partners, the Russians,

185

00:06:02,480 --> 00:06:03,500

and they said, "Ok you could use our suits."

186

00:06:03,500 --> 00:06:04,730

So we went out and did our
[inaudible] in the Russian suit.

187

00:06:04,730 --> 00:06:05,930

>>Wow! That must have been
challenging I would think?

188

00:06:05,930 --> 00:06:06,680
Were you able to do everything?

189
00:06:06,680 --> 00:06:06,860
>>Yeah, yeah.

190
00:06:06,860 --> 00:06:08,750
Because we weren't doing something that
was super difficult like you would do

191
00:06:08,750 --> 00:06:11,240
on a Hubbell mission or one of the assembly
missions, but it was an important critical task

192
00:06:11,240 --> 00:06:12,440
to fix a power junction box that was broke.

193
00:06:12,440 --> 00:06:12,560
>>Ok.

194
00:06:12,560 --> 00:06:13,160
>>It was a lot of fun.

195
00:06:13,160 --> 00:06:13,400
>>Ok, cool.

196
00:06:13,400 --> 00:06:14,510
Alright, well thanks Mike.

197
00:06:14,510 --> 00:06:24,100
[Pause]

198
00:06:24,100 --> 00:06:24,830
Any last requests?

199
00:06:24,830 --> 00:06:26,900
>>[Inaudible] Mikey, you're kind of tall.

200

00:06:26,900 --> 00:06:29,510

>>I make them put the suit up really high.