



1
00:00:10,629 --> 00:00:09,030
hi i'm mike massimino we've been

2
00:00:12,070 --> 00:00:10,639
following along with the astronauts who

3
00:00:13,830 --> 00:00:12,080
are going to fly the next shuttle

4
00:00:16,150 --> 00:00:13,840
mission to the international space

5
00:00:18,070 --> 00:00:16,160
station what you are about to see is the

6
00:00:19,590 --> 00:00:18,080
crew practicing for their mission the

7
00:00:21,510 --> 00:00:19,600
team that is responsible for training

8
00:00:24,950 --> 00:00:21,520
them and get a sense of what it's like

9
00:00:27,029 --> 00:00:24,960
to fly the shuttle this is scs-130

10
00:00:28,710 --> 00:00:27,039
behind the scenes

11
00:00:30,470 --> 00:00:28,720
george zamka the commander of sts

12
00:00:31,669 --> 00:00:30,480
sts-130

13
00:00:33,990 --> 00:00:31,679

i've just realized i'm sorry you're a

14

00:00:35,590 --> 00:00:34,000

marine corps guy right and scorch is a

15

00:00:37,830 --> 00:00:35,600

marine corps both you went to the naval

16

00:00:39,750 --> 00:00:37,840

academy okay right and now you're one

17

00:00:41,030 --> 00:00:39,760

after the other is marine corps excited

18

00:00:42,709 --> 00:00:41,040

about this yeah there's something i want

19

00:00:44,150 --> 00:00:42,719

to say about it actually i'm the third

20

00:00:45,110 --> 00:00:44,160

marine commander in the road because

21

00:00:47,430 --> 00:00:45,120

that's right

22

00:00:48,229 --> 00:00:47,440

we had cj

23

00:00:49,590 --> 00:00:48,239

all right

24

00:00:51,670 --> 00:00:49,600

and

25

00:00:53,510 --> 00:00:51,680

we had doug hurley who flew before that

26

00:00:54,549 --> 00:00:53,520

so actually we've had five marines fly

27

00:00:56,389 --> 00:00:54,559

and run

28

00:00:57,990 --> 00:00:56,399

up on the last uh space shuttle missions

29

00:01:00,229 --> 00:00:58,000

that we've had so it's it's been pretty

30

00:01:01,270 --> 00:01:00,239

big for us and pretty exciting and and

31

00:01:03,349 --> 00:01:01,280

uh

32

00:01:04,789 --> 00:01:03,359

core is small everybody knows everybody

33

00:01:06,550 --> 00:01:04,799

so uh there's a lot of excitement

34

00:01:08,550 --> 00:01:06,560

certainly we're excited and then the

35

00:01:10,469 --> 00:01:08,560

folks that we flew with are also excited

36

00:01:11,990 --> 00:01:10,479

so it's really really been neat on the

37

00:01:13,510 --> 00:01:12,000

end of the run though so it'll be a

38

00:01:14,870 --> 00:01:13,520

little while before the uh the next

39

00:01:16,390 --> 00:01:14,880

marine flies

40

00:01:17,429 --> 00:01:16,400

you had a nice run there so that's a

41

00:01:20,310 --> 00:01:17,439

great route

42

00:01:22,390 --> 00:01:20,320

and i'm sure to marine corps very proud

43

00:01:24,149 --> 00:01:22,400

okay here we go all right very good

44

00:01:25,350 --> 00:01:24,159

anything else george no sir all right

45

00:01:26,870 --> 00:01:25,360

thanks for letting us in i know you're

46

00:01:28,310 --> 00:01:26,880

busy you better you're calling over here

47

00:01:29,910 --> 00:01:28,320

for you probably got a lot of stuff to

48

00:01:31,670 --> 00:01:29,920

do but thanks for letting us in and uh

49

00:01:33,030 --> 00:01:31,680

sharing some of the time with us thanks

50

00:01:34,550 --> 00:01:33,040

for coming by all right

51
00:01:35,990 --> 00:01:34,560
what are you doing what's your role

52
00:01:37,030 --> 00:01:36,000
during this are you working robotics

53
00:01:43,670 --> 00:01:37,040
today

54
00:01:48,950 --> 00:01:43,680
on node three activation

55
00:02:03,590 --> 00:01:50,870
environmental control systems inside of

56
00:02:06,789 --> 00:02:05,190
appreciate you letting us uh speak to

57
00:02:09,029 --> 00:02:06,799
you good luck with the rest of the sun

58
00:02:12,550 --> 00:02:09,039
okay

59
00:02:14,790 --> 00:02:12,560
it's like mumbo jumbo

60
00:02:16,070 --> 00:02:14,800
what is that navigation system

61
00:02:20,229 --> 00:02:16,080
data processing which is like your

62
00:02:23,270 --> 00:02:21,830
that's important stuff yes to get you

63
00:02:25,350 --> 00:02:23,280

back to earth all right

64

00:02:27,589 --> 00:02:25,360

very important stuff i don't know same

65

00:02:29,270 --> 00:02:27,599

driver sam schreiber

66

00:02:31,830 --> 00:02:29,280

all right from long island new york from

67

00:02:33,430 --> 00:02:31,840

long island where in long island glencoe

68

00:02:34,790 --> 00:02:33,440

oh that's nice over there yeah they

69

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

wouldn't even let me into that area when

70

00:02:37,350 --> 00:02:36,400

i was a kid no you're blocked now no

71

00:02:38,630 --> 00:02:37,360

they weren't yeah they would they would

72

00:02:40,070 --> 00:02:38,640

they would see me come and you know they

73

00:02:41,830 --> 00:02:40,080

would be like no go back to where you

74

00:02:44,470 --> 00:02:41,840

belong uh

75

00:02:45,670 --> 00:02:44,480

flight control guidance and propulsion

76

00:02:47,589 --> 00:02:45,680

all right so how did you get here from

77

00:02:49,430 --> 00:02:47,599

glen cove new york this is interesting

78

00:02:51,910 --> 00:02:49,440

one school to the other and then which

79

00:02:53,990 --> 00:02:51,920

school uh unc maryland at the university

80

00:02:55,509 --> 00:02:54,000

of florida wow okay

81

00:02:57,190 --> 00:02:55,519

got an internship and started working

82

00:02:58,949 --> 00:02:57,200

here full time afterwards wow so you're

83

00:03:00,550 --> 00:02:58,959

very interested in nasa growing up

84

00:03:02,470 --> 00:03:00,560

just like i was except

85

00:03:04,229 --> 00:03:02,480

like you know about 100 years after me

86

00:03:05,509 --> 00:03:04,239

apparently but all right so you like

87

00:03:06,710 --> 00:03:05,519

what you're doing i love what i do you

88

00:03:08,470 --> 00:03:06,720

miss new york

89

00:03:11,350 --> 00:03:08,480

every day you are you early yeah you

90

00:03:12,470 --> 00:03:11,360

going there for the holidays uh no i'm

91

00:03:13,910 --> 00:03:12,480

getting married in three weeks so next

92

00:03:16,470 --> 00:03:13,920

year you are really in italy in three

93

00:03:18,630 --> 00:03:16,480

weeks so what the heck is

94

00:03:19,990 --> 00:03:18,640

italy new

95

00:03:21,830 --> 00:03:20,000

you're going italy for your honeymoon

96

00:03:23,430 --> 00:03:21,840

yeah where in italy are you going uh

97

00:03:25,670 --> 00:03:23,440

rome florence you know when are you

98

00:03:26,710 --> 00:03:25,680

going to be there over new year's okay

99

00:03:28,390 --> 00:03:26,720

we're going to be there i'm going to be

100

00:03:30,470 --> 00:03:28,400

there in two weeks yeah okay we're

101
00:03:33,030 --> 00:03:30,480
heading out and we wait two weeks i'll

102
00:03:34,390 --> 00:03:33,040
be there yeah i'm gonna anyway okay well

103
00:03:35,910 --> 00:03:34,400
that's cool so you're getting married

104
00:03:37,750 --> 00:03:35,920
that's big woody and where are you

105
00:03:39,670 --> 00:03:37,760
getting married down here

106
00:03:41,430 --> 00:03:39,680
so you're you're your fiance is from

107
00:03:43,110 --> 00:03:41,440
texas so you're never going back to new

108
00:03:44,390 --> 00:03:43,120
york are you we'll see what happens yeah

109
00:03:46,470 --> 00:03:44,400
you're gonna be stuck

110
00:03:48,149 --> 00:03:46,480
all right all right well thanks very

111
00:03:50,070 --> 00:03:48,159
much who else we got over here

112
00:03:53,110 --> 00:03:50,080
we got rob

113
00:03:55,110 --> 00:03:53,120

we got here george robin robin

114

00:03:57,429 --> 00:03:55,120

rob what's your last name robin

115

00:04:00,869 --> 00:03:57,439

phoenix phoenix enix

116

00:04:02,390 --> 00:04:00,879

phoenix but it's enix with an e okay

117

00:04:05,990 --> 00:04:02,400

and what do you got going here robbie

118

00:04:07,429 --> 00:04:06,000

shuttle calm instructor so uh

119

00:04:08,550 --> 00:04:07,439

so

120

00:04:11,350 --> 00:04:08,560

she breaks account she makes sure we

121

00:04:12,789 --> 00:04:11,360

can't talk to each other or

122

00:04:14,789 --> 00:04:12,799

right and then we gotta figure out how

123

00:04:15,910 --> 00:04:14,799

to fix it okay so during this sim you're

124

00:04:17,270 --> 00:04:15,920

probably going to do that to them at

125

00:04:18,629 --> 00:04:17,280

some point right they're not going to be

126

00:04:19,909 --> 00:04:18,639

able to talk to each other until you

127

00:04:21,430 --> 00:04:19,919

send us george said they're going to

128

00:04:22,710 --> 00:04:21,440

have to try to figure this out

129

00:04:24,310 --> 00:04:22,720

right it's the most important system

130

00:04:25,590 --> 00:04:24,320

which is the most important so here if

131

00:04:26,950 --> 00:04:25,600

you can talk to the ground then they can

132

00:04:28,390 --> 00:04:26,960

fix it for you right that's the thing

133

00:04:29,830 --> 00:04:28,400

you want to be able to talk if you can't

134

00:04:31,110 --> 00:04:29,840

you know if you can because then it

135

00:04:32,629 --> 00:04:31,120

becomes harder

136

00:04:33,990 --> 00:04:32,639

right you can't it's harder to write

137

00:04:36,390 --> 00:04:34,000

anything and you gotta figure everything

138

00:04:37,830 --> 00:04:36,400

out on your own a lot harder ten times

139

00:04:39,030 --> 00:04:37,840

harder when you can't talk to each other

140

00:04:40,550 --> 00:04:39,040

or talk to you

141

00:04:42,070 --> 00:04:40,560

it's good when you have all these like a

142

00:04:43,430 --> 00:04:42,080

thousand people down here helping you

143

00:04:45,110 --> 00:04:43,440

out as opposed to trying to figure it

144

00:04:47,030 --> 00:04:45,120

out on your own you guys can figure it

145

00:04:47,749 --> 00:04:47,040

out on your own of course

146

00:04:49,909 --> 00:04:47,759

but

147

00:04:51,909 --> 00:04:49,919

we can figure most stuff out on your own

148

00:04:53,749 --> 00:04:51,919

but we're not a very big team they have

149

00:04:55,270 --> 00:04:53,759

a big team right knows exactly what's

150

00:04:57,350 --> 00:04:55,280

going on it's a lot but i was looking at

151
00:04:58,629 --> 00:04:57,360
space flight's an open book test and the

152
00:05:00,469 --> 00:04:58,639
people down here are part of the open

153
00:05:02,150 --> 00:05:00,479
book you ask them a question they they

154
00:05:03,909 --> 00:05:02,160
tell you the answer or they let you know

155
00:05:06,390 --> 00:05:03,919
what you need to know so so that's

156
00:05:08,550 --> 00:05:06,400
really important stuff all right

157
00:05:09,830 --> 00:05:08,560
who's our last guy over here dave

158
00:05:15,830 --> 00:05:09,840
systems

159
00:05:17,749 --> 00:05:15,840
dave denham what's it mean david it does

160
00:05:19,029 --> 00:05:17,759
mean a lot of things it's uh electrical

161
00:05:22,830 --> 00:05:19,039
hydraulics

162
00:05:27,350 --> 00:05:24,710
mechanical

163
00:05:29,590 --> 00:05:27,360

and pretty much anything else that

164

00:05:31,189 --> 00:05:29,600

nobody wants to claim we get stuck with

165

00:05:33,029 --> 00:05:31,199

okay so it's

166

00:05:34,469 --> 00:05:33,039

it's lots of stuff it's like every

167

00:05:35,749 --> 00:05:34,479

everything yeah just about just about

168

00:05:37,749 --> 00:05:35,759

all that stuff so you're going to give

169

00:05:38,710 --> 00:05:37,759

them different failures as well today

170

00:05:44,230 --> 00:05:38,720

can you tell us what you're going to do

171

00:05:47,749 --> 00:05:46,070

they won't figure it out great example

172

00:05:49,830 --> 00:05:47,759

let's see we're going to you know have

173

00:05:54,790 --> 00:05:49,840

much confidence in these guys what's up

174

00:05:57,990 --> 00:05:55,990

we're going to kill some cooling and

175

00:05:59,670 --> 00:05:58,000

then we're going to leak some atmosphere

176

00:06:01,830 --> 00:05:59,680

into the cabin and then we're going to

177

00:06:04,390 --> 00:06:01,840

short out a main bus this is just on one

178

00:06:06,150 --> 00:06:04,400

sim yeah on one run maybe i'm not done

179

00:06:09,110 --> 00:06:06,160

yet okay go ahead keep going then we're

180

00:06:10,710 --> 00:06:09,120

gonna um take away their vehicle cooling

181

00:06:12,309 --> 00:06:10,720

and then we're gonna

182

00:06:14,150 --> 00:06:12,319

break their payload

183

00:06:15,590 --> 00:06:14,160

are you born in england because you also

184

00:06:17,670 --> 00:06:15,600

was born in the north of england you're

185

00:06:19,590 --> 00:06:17,680

born and your dad your dad was from

186

00:06:20,870 --> 00:06:19,600

england right but your mom was american

187

00:06:22,629 --> 00:06:20,880

both my parents

188

00:06:23,590 --> 00:06:22,639

english so how did you end up in the in

189

00:06:25,430 --> 00:06:23,600

the us

190

00:06:28,150 --> 00:06:25,440

well my my father came here to business

191

00:06:30,150 --> 00:06:28,160

school in this in the 60s oh my god when

192

00:06:30,950 --> 00:06:30,160

there weren't business schools in europe

193

00:06:33,110 --> 00:06:30,960

and

194

00:06:35,350 --> 00:06:33,120

he liked it so eventually we ended up

195

00:06:36,950 --> 00:06:35,360

staying eventually ended up staying

196

00:06:38,950 --> 00:06:36,960

because you're also from new york i

197

00:06:40,390 --> 00:06:38,960

lived in new york for for many years all

198

00:06:42,150 --> 00:06:40,400

right and you

199

00:06:44,469 --> 00:06:42,160

for many years but it didn't affect your

200

00:06:46,150 --> 00:06:44,479

accident see you and i have

201
00:06:48,550 --> 00:06:46,160
we both speak english if i could be

202
00:06:51,029 --> 00:06:48,560
brave enough to say that right it's like

203
00:06:54,550 --> 00:06:51,039
i missed it sorry mike i said we both

204
00:06:56,550 --> 00:06:54,560
speak english we do yes after fashion

205
00:06:57,909 --> 00:06:56,560
with the what after a fashion after i

206
00:06:59,909 --> 00:06:57,919
don't even know what that means but he

207
00:07:01,510 --> 00:06:59,919
said so you're uh

208
00:07:03,110 --> 00:07:01,520
but i mean my accent's a little bit

209
00:07:04,230 --> 00:07:03,120
different than yours but we've you spent

210
00:07:06,309 --> 00:07:04,240
a lot of time in a year but you weren't

211
00:07:08,469 --> 00:07:06,319
polluted i spent holidays in new york i

212
00:07:09,909 --> 00:07:08,479
spent most of my time in london so can

213
00:07:11,990 --> 00:07:09,919

you do a new york accent if you're in

214

00:07:14,790 --> 00:07:12,000

new york not really i don't want to get

215

00:07:18,230 --> 00:07:16,150

but you were in new york for quite a

216

00:07:19,670 --> 00:07:18,240

while yes my family lived that many

217

00:07:20,469 --> 00:07:19,680

years right

218

00:07:22,070 --> 00:07:20,479

okay

219

00:07:24,150 --> 00:07:22,080

and and you and i know each other for a

220

00:07:25,430 --> 00:07:24,160

long time man did you know that george

221

00:07:27,110 --> 00:07:25,440

no i didn't know how long nick and i

222

00:07:30,390 --> 00:07:27,120

know each other oh it's it's something

223

00:07:32,390 --> 00:07:30,400

like 20 years it was over 20 years

224

00:07:35,189 --> 00:07:32,400

we went to graduate school mike mike and

225

00:07:38,710 --> 00:07:35,199

i shared an office at mit oh right i met

226

00:07:39,589 --> 00:07:38,720

nick in 1989 right yeah and our on our

227

00:07:43,430 --> 00:07:39,599

desk

228

00:07:45,110 --> 00:07:43,440

we sat this far apart driving this far

229

00:07:46,550 --> 00:07:45,120

apart for each other and we became good

230

00:07:48,790 --> 00:07:46,560

friends george and this is back when

231

00:07:49,670 --> 00:07:48,800

mike was funny i was funny back there

232

00:07:56,070 --> 00:07:49,680

right

233

00:08:01,430 --> 00:07:56,080

imagine being funny oh i'm boring now

234

00:08:05,430 --> 00:08:03,749

i was younger i was still in my 20s i've

235

00:08:08,150 --> 00:08:05,440

heard a lot of nick's stories but

236

00:08:09,830 --> 00:08:08,160

there's if you don't mind sharing one

237

00:08:11,270 --> 00:08:09,840

when you and when you played the timpani

238

00:08:12,710 --> 00:08:11,280

when you were in

239

00:08:14,469 --> 00:08:12,720

in grade school

240

00:08:16,070 --> 00:08:14,479

do you mind sharing that story because

241

00:08:18,150 --> 00:08:16,080

you know kids that he had this big fancy

242

00:08:19,990 --> 00:08:18,160

astronaut in his getup but you were

243

00:08:21,749 --> 00:08:20,000

going to school as a you know in england

244

00:08:23,350 --> 00:08:21,759

just happened right i played did you

245

00:08:24,790 --> 00:08:23,360

orchestrate the school yes okay so would

246

00:08:26,869 --> 00:08:24,800

you mind telling us if you have a minute

247

00:08:28,710 --> 00:08:26,879

i know you've been no and uh we are

248

00:08:31,909 --> 00:08:28,720

playing the national anthem

249

00:08:33,829 --> 00:08:31,919

school songs the national anthem of

250

00:08:35,350 --> 00:08:33,839

england yes at that time school in

251

00:08:36,790 --> 00:08:35,360

england so that's the uh the english

252

00:08:38,070 --> 00:08:36,800

national anthem which is what wasn't it

253

00:08:40,070 --> 00:08:38,080

it's called god save the course god save

254

00:08:41,589 --> 00:08:40,080

the queen very important song big song

255

00:08:43,029 --> 00:08:41,599

very important

256

00:08:45,750 --> 00:08:43,039

and uh

257

00:08:47,509 --> 00:08:45,760

i was one of the percussion sections

258

00:08:49,350 --> 00:08:47,519

remember the percussion section

259

00:08:51,509 --> 00:08:49,360

i had the symbols the big symbols symbol

260

00:08:52,790 --> 00:08:51,519

big ones so it's it's it may not be the

261

00:08:54,630 --> 00:08:52,800

most important instrument in the

262

00:08:56,630 --> 00:08:54,640

orchestra but it's just about the most

263

00:08:58,550 --> 00:08:56,640

visible because you stand up and you

264

00:08:59,750 --> 00:08:58,560

crash them together like this and at the

265

00:09:00,870 --> 00:08:59,760

time are you supposed to crash those

266

00:09:03,110 --> 00:09:00,880

things i would say it's the most

267

00:09:06,150 --> 00:09:03,120

important problem

268

00:09:08,949 --> 00:09:06,160

and in fact they start off the song yeah

269

00:09:10,389 --> 00:09:08,959

and uh we rehearsed this many times and

270

00:09:12,070 --> 00:09:10,399

it always gone well

271

00:09:15,030 --> 00:09:12,080

and it it went on the downbeat the

272

00:09:17,350 --> 00:09:15,040

conductor's downbeat of his uh his uh

273

00:09:19,269 --> 00:09:17,360

wand yeah what they call them

274

00:09:21,030 --> 00:09:19,279

i think thank you because

275

00:09:23,350 --> 00:09:21,040

why would be like if he's a magician

276

00:09:24,070 --> 00:09:23,360

like harry potter's band they have but i

277

00:09:25,350 --> 00:09:24,080

think

278

00:09:26,790 --> 00:09:25,360

that's probably your guys a little bit

279

00:09:27,829 --> 00:09:26,800

like hogwarts but it was it wasn't

280

00:09:29,750 --> 00:09:27,839

england so i really don't know maybe it

281

00:09:30,949 --> 00:09:29,760

was a one but

282

00:09:32,310 --> 00:09:30,959

so uh

283

00:09:34,630 --> 00:09:32,320

on the day

284

00:09:36,310 --> 00:09:34,640

with uh churchill's daughter

285

00:09:37,910 --> 00:09:36,320

at the school songs and it was it was a

286

00:09:39,910 --> 00:09:37,920

very important day

287

00:09:42,070 --> 00:09:39,920

it was in honor of churchill this set of

288

00:09:43,829 --> 00:09:42,080

this uh performance was it his birthday

289

00:09:45,750 --> 00:09:43,839

or something was the church's birthday i

290

00:09:47,990 --> 00:09:45,760

forget whether it was okay but it was an

291

00:09:50,070 --> 00:09:48,000

honor of church wow church was a big guy

292

00:09:50,790 --> 00:09:50,080

it was important yeah this is a big big

293

00:09:52,230 --> 00:09:50,800

thing

294

00:09:54,389 --> 00:09:52,240

so uh

295

00:09:56,630 --> 00:09:54,399

on the day i'm watching the conductor

296

00:09:57,750 --> 00:09:56,640

very carefully and the song builds up

297

00:09:59,190 --> 00:09:57,760

to the point at which all the

298

00:10:00,470 --> 00:09:59,200

instruments kick in

299

00:10:01,430 --> 00:10:00,480

and so you have to wait for the

300

00:10:04,150 --> 00:10:01,440

conductor you don't know when it's going

301
00:10:05,590 --> 00:10:04,160
to start yeah and instead of a nice

302
00:10:07,750 --> 00:10:05,600
crisp

303
00:10:09,590 --> 00:10:07,760
baton wave yeah i got something that

304
00:10:11,430 --> 00:10:09,600
went like this

305
00:10:13,750 --> 00:10:11,440
and i i wasn't quite sure when to crash

306
00:10:16,550 --> 00:10:13,760
them so i didn't crash the symbols you

307
00:10:18,470 --> 00:10:16,560
did it on the big day

308
00:10:19,829 --> 00:10:18,480
you did not press the symbols for god

309
00:10:21,350 --> 00:10:19,839
save the queen

310
00:10:23,190 --> 00:10:21,360
and churchill's daughter was in the it

311
00:10:24,870 --> 00:10:23,200
was in attendance is that what it was

312
00:10:26,230 --> 00:10:24,880
this is a big deal it was and you were

313
00:10:29,350 --> 00:10:26,240

how old

314

00:10:31,269 --> 00:10:29,360

i was 15 15 years old old enough to be

315

00:10:32,630 --> 00:10:31,279

embarrassed

316

00:10:34,230 --> 00:10:32,640

did you get in trouble afterwards did

317

00:10:37,110 --> 00:10:34,240

the conductor come see it did you run

318

00:10:39,110 --> 00:10:37,120

leave is that why you came to america

319

00:10:40,630 --> 00:10:39,120

that's why i immigrated all right

320

00:10:43,110 --> 00:10:40,640

see stuff like we talk like that that's

321

00:10:44,870 --> 00:10:43,120

how we talk here in the space copy that

322

00:10:59,110 --> 00:10:44,880

you know that kind of thing you watch

323

00:11:03,590 --> 00:11:01,190

as a capcom yes and uh and you're

324

00:11:05,110 --> 00:11:03,600

actually talking to a live crew now well

325

00:11:06,630 --> 00:11:05,120

yeah they're uh they're live in the

326

00:11:10,470 --> 00:11:06,640

simulator

327

00:11:12,710 --> 00:11:10,480

and uh gary is our flight director here

328

00:11:14,389 --> 00:11:12,720

and uh yeah they're over there we're

329

00:11:16,230 --> 00:11:14,399

over here we're practicing

330

00:11:17,350 --> 00:11:16,240

what we're going to do when we

331

00:11:19,430 --> 00:11:17,360

support them when they're flying in

332

00:11:20,470 --> 00:11:19,440

space hopefully in the beginning of

333

00:11:21,829 --> 00:11:20,480

february

334

00:11:23,910 --> 00:11:21,839

during these simulations do you ever

335

00:11:25,670 --> 00:11:23,920

forget that they're just in a metal box

336

00:11:28,870 --> 00:11:25,680

and you start thinking it's the real

337

00:11:31,190 --> 00:11:28,880

deal no

338

00:11:32,389 --> 00:11:31,200

not really i mean we i when i think of

339

00:11:34,069 --> 00:11:32,399

you know we're practicing for when

340

00:11:35,590 --> 00:11:34,079

they're actually going to do it and you

341

00:11:37,110 --> 00:11:35,600

work the same way and i think you know

342

00:11:38,310 --> 00:11:37,120

you there's i think there's a bit of

343

00:11:39,590 --> 00:11:38,320

difference between the real thing and

344

00:11:41,110 --> 00:11:39,600

the sim but

345

00:11:42,630 --> 00:11:41,120

uh you know you get practice here it

346

00:11:44,710 --> 00:11:42,640

prepares you for the real thing but it's

347

00:11:46,870 --> 00:11:44,720

not nothing quite like

348

00:11:48,230 --> 00:11:46,880

the real real experience of going for a

349

00:11:49,350 --> 00:11:48,240

real flight

350

00:11:50,790 --> 00:11:49,360

so

351
00:11:52,949 --> 00:11:50,800
i'm just saying that talking to my ear

352
00:11:55,030 --> 00:11:52,959
right now that people go ahead

353
00:11:56,310 --> 00:11:55,040
i space stuff you can ignore them i

354
00:11:57,590 --> 00:11:56,320
think right here i'm talking about it

355
00:11:59,990 --> 00:11:57,600
it's fine

356
00:12:01,190 --> 00:12:00,000
i'm not just taking video i'm working as

357
00:12:02,949 --> 00:12:01,200
a uh

358
00:12:03,750 --> 00:12:02,959
as a capcom

359
00:12:09,590 --> 00:12:03,760
which

360
00:12:10,949 --> 00:12:09,600
communicated right

361
00:12:13,110 --> 00:12:10,959
but we don't call the thing a capsule

362
00:12:15,190 --> 00:12:13,120
anymore right right we call it a

363
00:12:17,590 --> 00:12:15,200

spacecraft so they say capcom is

364

00:12:18,949 --> 00:12:17,600

spacecraft communicator right

365

00:12:20,710 --> 00:12:18,959

we should be like a spacecom or

366

00:12:22,790 --> 00:12:20,720

something shouldn't we

367

00:12:24,310 --> 00:12:22,800

this is beyond our pay great how did you

368

00:12:25,990 --> 00:12:24,320

get into this game how'd you get to do

369

00:12:27,910 --> 00:12:26,000

this cause this is a pretty cool job i

370

00:12:29,990 --> 00:12:27,920

mean astronaut's a pretty cool job the

371

00:12:32,310 --> 00:12:30,000

flight director is a pretty cool job how

372

00:12:33,910 --> 00:12:32,320

did you get into how did this happen

373

00:12:35,910 --> 00:12:33,920

well um

374

00:12:37,269 --> 00:12:35,920

straight out of college here's a flight

375

00:12:39,350 --> 00:12:37,279

controller actually sitting in the

376

00:12:41,110 --> 00:12:39,360

console you can see right behind me

377

00:12:42,310 --> 00:12:41,120

enco console

378

00:12:43,910 --> 00:12:42,320

you can see that's like i should know

379

00:12:45,430 --> 00:12:43,920

that he's awake thank goodness or else

380

00:12:47,829 --> 00:12:45,440

yeah all right they're responsible for

381

00:12:49,829 --> 00:12:47,839

the uh communications asset and the

382

00:12:51,509 --> 00:12:49,839

video systems on the orbiter and all the

383

00:12:54,550 --> 00:12:51,519

commanding and telemetry okay so i

384

00:12:57,110 --> 00:12:54,560

actually did that job for

385

00:12:58,629 --> 00:12:57,120

about 14 years right out of college so

386

00:12:59,910 --> 00:12:58,639

you get out of college and rhetoric you

387

00:13:00,710 --> 00:12:59,920

started training to go and that's pretty

388

00:13:02,710 --> 00:13:00,720

cool

389

00:13:03,750 --> 00:13:02,720

that's a lot of responsibility

390

00:13:04,550 --> 00:13:03,760

to college

391

00:13:05,509 --> 00:13:04,560

yeah

392

00:13:07,829 --> 00:13:05,519

up

393

00:13:08,870 --> 00:13:07,839

some missions worth over there

394

00:13:10,310 --> 00:13:08,880

and

395

00:13:12,069 --> 00:13:10,320

uh competed to become a flight character

396

00:13:14,389 --> 00:13:12,079

and got selected and so i've been

397

00:13:16,949 --> 00:13:14,399

fortunate enough to actually

398

00:13:19,509 --> 00:13:16,959

this would be my fourth mission as a

399

00:13:20,870 --> 00:13:19,519

shuttle flight director yeah

400

00:13:23,110 --> 00:13:20,880

so yeah

401
00:13:25,030 --> 00:13:23,120
a lot of years a lot of hard work but uh

402
00:13:26,310 --> 00:13:25,040
you know it paid off all right so what's

403
00:13:27,590 --> 00:13:26,320
going on now

404
00:13:28,949 --> 00:13:27,600
okay what are we doing here yeah i'm

405
00:13:30,470 --> 00:13:28,959
about to leisure actually you're going

406
00:13:32,470 --> 00:13:30,480
to leave no i'm just going to say okay

407
00:13:34,069 --> 00:13:32,480
sometime

408
00:13:35,430 --> 00:13:34,079
but it's a it's a debrief right all

409
00:13:37,110 --> 00:13:35,440
right so we're going to debrief out how

410
00:13:38,470 --> 00:13:37,120
did they do in the run they did pretty

411
00:13:40,710 --> 00:13:38,480
good they didn't screw everything up no

412
00:13:42,150 --> 00:13:40,720
no definitely they did good

413
00:13:43,110 --> 00:13:42,160

better than last time what's the number

414

00:13:55,670 --> 00:13:43,120

that it's

415

00:13:58,629 --> 00:13:57,430

they did good last night did even better

416

00:14:00,310 --> 00:13:58,639

this time