



1
00:00:08,179 --> 00:00:03,669
station this is Houston on space grant

2
00:00:13,430 --> 00:00:11,449
we are ready for the event tech museum

3
00:00:17,679 --> 00:00:13,440
this is Mission Control in Houston

4
00:00:26,060 --> 00:00:20,480
station this is tech museum how do you

5
00:00:27,470 --> 00:00:26,070
hear me we've got we've got you loud and

6
00:00:41,899 --> 00:00:27,480
clear welcome aboard the International

7
00:00:44,660 --> 00:00:41,909
Space Station good morning commander dan

8
00:00:46,549 --> 00:00:44,670
and flight engineer Don we are proud to

9
00:00:49,910 --> 00:00:46,559
be here from the tech museum San Jose

10
00:00:52,040 --> 00:00:49,920
with some special guests our students

11
00:00:54,349 --> 00:00:52,050
from fifth grade washington elementary

12
00:01:00,559 --> 00:00:54,359
school also located down the street from

13
00:01:02,450 --> 00:01:00,569

the tech museum well it's fantastic to

14

00:01:07,039 --> 00:01:02,460

be with you today and we're looking

15

00:01:12,740 --> 00:01:07,049

forward to some great questions all

16

00:01:16,220 --> 00:01:12,750

right we're ready to begin hi my name is

17

00:01:21,800 --> 00:01:16,230

Esther and my question is when was an

18

00:01:25,069 --> 00:01:23,389

well the first piece of the

19

00:01:29,840 --> 00:01:25,079

International Space Station was launched

20

00:01:31,639 --> 00:01:29,850

in November of 1998 so we've got over 13

21

00:01:33,499 --> 00:01:31,649

years of run time we had the first crew

22

00:01:35,359 --> 00:01:33,509

come aboard Space Station permanent crew

23

00:01:38,389 --> 00:01:35,369

that's been living here like we do right

24

00:01:39,410 --> 00:01:38,399

now in late of two thousand they towards

25

00:01:47,480 --> 00:01:39,420

the end the end of the year in two

26

00:01:49,310 --> 00:01:47,490

thousand hello my name is Anna my

27

00:01:51,230 --> 00:01:49,320

question is what is the one thing you

28

00:01:58,370 --> 00:01:51,240

mr. most from Earth when you're at the

29

00:02:00,469 --> 00:01:58,380

ISS well my family is what I miss the

30

00:02:03,230 --> 00:02:00,479

most from Earth when I'm on the space

31

00:02:07,460 --> 00:02:03,240

station but my family is not a thing in

32

00:02:11,930 --> 00:02:07,470

terms of earthly earthly objects or

33

00:02:14,990 --> 00:02:11,940

pleasures you at least I don't really

34

00:02:18,440 --> 00:02:15,000

miss them because the holes that are

35

00:02:20,150 --> 00:02:18,450

left when you leave Earth are filled

36

00:02:22,850 --> 00:02:20,160

with things that you can do on orbit

37

00:02:24,890 --> 00:02:22,860

that you can't do on earth like fly you

38

00:02:26,660 --> 00:02:24,900

could float up here you could see Earth

39

00:02:28,729 --> 00:02:26,670

from the windows in a way that you can

40

00:02:31,009 --> 00:02:28,739

never see Earth from Earth so so these

41

00:02:38,059 --> 00:02:31,019

Saints fill the holes that are left when

42

00:02:42,470 --> 00:02:40,429

my name is a dandy and my question is

43

00:02:47,120 --> 00:02:42,480

who aspire to become an astronaut and

44

00:02:52,100 --> 00:02:50,360

I guess for me i had a lot of a lot of

45

00:02:54,800 --> 00:02:52,110

folks that inspired me ultimately to do

46

00:02:56,600 --> 00:02:54,810

this when I was your age though I have

47

00:02:58,100 --> 00:02:56,610

to admit I didn't I didn't at that point

48

00:02:59,930 --> 00:02:58,110

want to become an astronaut not because

49

00:03:01,010 --> 00:02:59,940

I didn't want to do it but because it

50

00:03:04,640 --> 00:03:01,020

never occurred to me that was something

51
00:03:07,700 --> 00:03:04,650
that I could do and it was probably many

52
00:03:09,440 --> 00:03:07,710
teachers it was my parents it was it was

53
00:03:12,200 --> 00:03:09,450
people that I work with throughout my

54
00:03:14,180 --> 00:03:12,210
career that that ultimately inspired me

55
00:03:16,340 --> 00:03:14,190
to do this but when I was your age the

56
00:03:18,350 --> 00:03:16,350
things that really got all of us fired

57
00:03:21,350 --> 00:03:18,360
up as we were growing up was watching

58
00:03:23,030 --> 00:03:21,360
the Apollo landings on the moon and from

59
00:03:25,880 --> 00:03:23,040
that point on I was always interested in

60
00:03:32,010 --> 00:03:25,890
space and had no idea that someday I

61
00:03:36,930 --> 00:03:35,100
hi my name is Sofia my question is what

62
00:03:41,700 --> 00:03:36,940
is the greatest satisfaction you have

63
00:03:47,010 --> 00:03:45,290

I think some of the greatest

64

00:03:49,500 --> 00:03:47,020

satisfactions you have here is

65

00:03:51,390 --> 00:03:49,510

completing a good day's worth of work

66

00:03:53,790 --> 00:03:51,400

whether that day's worth of work is

67

00:03:56,460 --> 00:03:53,800

doing a science experiment or whether

68

00:03:58,950 --> 00:03:56,470

that day's worth of work is fixing

69

00:04:03,120 --> 00:03:58,960

something that's broken or doing a

70

00:04:05,130 --> 00:04:03,130

maintenance it it's all good and at the

71

00:04:12,520 --> 00:04:05,140

end of the day you could say wow what a

72

00:04:17,920 --> 00:04:16,180

hi my name is Erika my question is what

73

00:04:23,980 --> 00:04:17,930

was the worst thing that has happened to

74

00:04:29,929 --> 00:04:27,110

here that's a really tough question I I

75

00:04:31,040 --> 00:04:29,939

really have a hard time thinking of too

76

00:04:33,230 --> 00:04:31,050

many bad things that have ever happened

77

00:04:34,550 --> 00:04:33,240

up here I've had it I've been able to

78

00:04:37,040 --> 00:04:34,560

fly a couple times on a space shuttle

79

00:04:38,570 --> 00:04:37,050

and helping to build the space station

80

00:04:41,390 --> 00:04:38,580

and now I've been able to live here for

81

00:04:43,879 --> 00:04:41,400

for several months already and every day

82

00:04:45,320 --> 00:04:43,889

is wonderful i guess one of the hard

83

00:04:47,540 --> 00:04:45,330

things to take is when it comes time to

84

00:04:50,420 --> 00:04:47,550

actually leave because it is really a

85

00:04:52,580 --> 00:04:50,430

wonderful place to be and when it when

86

00:04:54,800 --> 00:04:52,590

it comes time to come home part of you

87

00:04:57,350 --> 00:04:54,810

just cannot wait to see your family part

88

00:04:58,760 --> 00:04:57,360

of you is also saying gosh i'm going to

89

00:05:00,619 --> 00:04:58,770

miss those views of earth i'm going to

90

00:05:07,640 --> 00:05:00,629

miss floating around on stage I'm going

91

00:05:10,189 --> 00:05:07,650

to miss you in the science my name is

92

00:05:14,629 --> 00:05:10,199

Raja my question is after being in space

93

00:05:21,739 --> 00:05:14,639

for many days or with you feel different

94

00:05:24,679 --> 00:05:21,749

physically after to intrude when we

95

00:05:27,320 --> 00:05:24,689

return to Earth at least for me it takes

96

00:05:31,550 --> 00:05:27,330

me a while to get my my earth legs back

97

00:05:33,559 --> 00:05:31,560

maybe a day or two and it's it's kind of

98

00:05:41,100 --> 00:05:33,569

like sailors getting their sea legs

99

00:05:46,380 --> 00:05:44,700

hello my name is Hema my question is do

100

00:05:55,110 --> 00:05:46,390

you have a minute in space and can you

101
00:05:57,000 --> 00:05:55,120
take your ipod sir I pass to face well

102
00:05:58,710 --> 00:05:57,010
Hannah I don't know I pay an ipad yet

103
00:06:00,510 --> 00:05:58,720
and I certainly don't have one up here

104
00:06:02,100 --> 00:06:00,520
at some point I think that would be a

105
00:06:04,380 --> 00:06:02,110
really good tool to have up here because

106
00:06:07,080 --> 00:06:04,390
it would be a lot easier to have a

107
00:06:09,390 --> 00:06:07,090
single tablet a single screen to take

108
00:06:11,370 --> 00:06:09,400
with you to do procedures and to do

109
00:06:13,980 --> 00:06:11,380
science experiments instead of having a

110
00:06:16,620 --> 00:06:13,990
big laptop with you we have iPods up

111
00:06:19,140 --> 00:06:16,630
here so so NASA Andros cosmos and

112
00:06:21,120 --> 00:06:19,150
European Space Agency we've got the

113
00:06:23,610 --> 00:06:21,130

ipods we can actually uplink all the

114

00:06:30,330 --> 00:06:23,620

music that we like to hear and so we do

115

00:06:33,660 --> 00:06:30,340

have that I might sent from my name is

116

00:06:40,590 --> 00:06:33,670

Oscar and my question is what is the

117

00:06:42,750 --> 00:06:40,600

temperature like and is it oh that the

118

00:06:46,050 --> 00:06:42,760

temperature in space station I happen to

119

00:06:50,340 --> 00:06:46,060

have a machine right here which measures

120

00:06:59,780 --> 00:06:50,350

the temperature and it shows it's 22

121

00:07:05,310 --> 00:07:02,310

hi my name is Samantha and my question

122

00:07:11,130 --> 00:07:05,320

is how do you communicate with their

123

00:07:14,300 --> 00:07:11,140

families when you are in space Samantha

124

00:07:16,590 --> 00:07:14,310

we can use email we can talk to them

125

00:07:18,540 --> 00:07:16,600

almost like you would on to tell with a

126

00:07:20,100 --> 00:07:18,550

telephone or cell phone we do that

127

00:07:23,340 --> 00:07:20,110

actually with our laptop computers and

128

00:07:25,650 --> 00:07:23,350

so we can call home and talk to our

129

00:07:27,410 --> 00:07:25,660

families maybe a couple of times a day

130

00:07:30,780 --> 00:07:27,420

if we have if we have enough free time

131

00:07:32,820 --> 00:07:30,790

we can also talk to them and see them at

132

00:07:35,160 --> 00:07:32,830

the same time at least one once a week

133

00:07:37,500 --> 00:07:35,170

so we can actually get a picture of them

134

00:07:39,720 --> 00:07:37,510

on a laptop screen and they can have a

135

00:07:41,550 --> 00:07:39,730

picture of us and and we can actually

136

00:07:42,780 --> 00:07:41,560

take them on a virtual tour fly through

137

00:07:46,590 --> 00:07:42,790

the space station and bring that laptop

138

00:07:48,510 --> 00:07:46,600

with us and but but it's it's it's not

139

00:07:53,159 --> 00:07:48,520

like being home but it's still pretty

140

00:08:02,680 --> 00:07:56,740

my name is Daniel and holla when does

141

00:08:05,710 --> 00:08:02,690

the ISS come back to her Oh space

142

00:08:08,320 --> 00:08:05,720

station is made to never come back to

143

00:08:10,180 --> 00:08:08,330

earth at least in one piece what's going

144

00:08:14,140 --> 00:08:10,190

to happen is space station we can

145

00:08:17,409 --> 00:08:14,150

continue to maintain it occupy it repair

146

00:08:22,300 --> 00:08:17,419

it and refurbish it and when it's time

147

00:08:25,360 --> 00:08:22,310

to to move on to the next phase of our

148

00:08:28,150 --> 00:08:25,370

space program Space Station as a whole

149

00:08:31,270 --> 00:08:28,160

will be deorbited and it will burn up in

150

00:08:38,140 --> 00:08:31,280

the atmosphere some we're probably over

151

00:08:41,769 --> 00:08:38,150

the Pacific Ocean hello my name is

152

00:08:43,659 --> 00:08:41,779

Francisco and well my question is is

153

00:08:50,940 --> 00:08:43,669

going to the bathroom or taking a shower

154

00:08:57,280 --> 00:08:54,310

well it for one thing just to be clear

155

00:09:00,670 --> 00:08:57,290

we don't get to take a shower up here we

156

00:09:03,880 --> 00:09:00,680

actually make do with towels with soap

157

00:09:05,230 --> 00:09:03,890

and water and we stay up here for six

158

00:09:07,090 --> 00:09:05,240

months and that's okay it's a little bit

159

00:09:10,329 --> 00:09:07,100

like being on a camping trip for a long

160

00:09:11,860 --> 00:09:10,339

time it's really difficult there used to

161

00:09:13,480 --> 00:09:11,870

be a shower on an old space station that

162

00:09:15,670 --> 00:09:13,490

the United States heads called Skylab a

163

00:09:17,259 --> 00:09:15,680

long time ago it's really hard to manage

164

00:09:19,240 --> 00:09:17,269

all that water those droplets of water

165

00:09:22,269 --> 00:09:19,250

which would just float around so for us

166

00:09:25,090 --> 00:09:22,279

it's very easy to do it that way and we

167

00:09:29,620 --> 00:09:25,100

have a toilet that works great and we

168

00:09:32,019 --> 00:09:29,630

use air flow to take the to help in the

169

00:09:40,569 --> 00:09:32,029

way that gravity helps on planet earth

170

00:09:43,449 --> 00:09:40,579

and another that it works quite nice hi

171

00:09:46,240 --> 00:09:43,459

my name is Eduardo scummy and my

172

00:09:53,980 --> 00:09:46,250

question is one me to decide to become

173

00:09:57,160 --> 00:09:53,990

an astronaut oh I was younger than you

174

00:10:01,360 --> 00:09:57,170

are I was around six years old when John

175

00:10:03,639 --> 00:10:01,370

Glenn flu and when I saw John Glenn fly

176

00:10:06,340 --> 00:10:03,649

I thought to myself that's something

177

00:10:09,880 --> 00:10:06,350

that I would like to do and then I sort

178

00:10:13,090 --> 00:10:09,890

of forgot about that until I graduated

179

00:10:16,060 --> 00:10:13,100

from college after having taken math and

180

00:10:18,670 --> 00:10:16,070

science and engineering these hard

181

00:10:20,800 --> 00:10:18,680

subjects that that allow you to go in a

182

00:10:24,069 --> 00:10:20,810

technology-rich environment like a

183

00:10:27,280 --> 00:10:24,079

spacecraft and operate and after after I

184

00:10:30,190 --> 00:10:27,290

had a math and science and engineering

185

00:10:32,110 --> 00:10:30,200

then I realized I'm qualified to be an

186

00:10:37,970 --> 00:10:32,120

astronaut and so I put in an application

187

00:10:44,310 --> 00:10:41,430

hi my name is Ivan and my question is

188

00:10:46,440 --> 00:10:44,320

when you were training was it hard did

189

00:10:51,470 --> 00:10:46,450

you ever feel like giving up because it

190

00:10:56,000 --> 00:10:54,500

hi that's that's a good question Ivan I

191

00:10:57,410 --> 00:10:56,010

think there's a lot of times you know

192

00:10:58,879 --> 00:10:57,420

when you're disappointed things don't

193

00:11:00,800 --> 00:10:58,889

quite go as well as you like you're

194

00:11:03,230 --> 00:11:00,810

you're practicing to do a spacewalk in

195

00:11:04,879 --> 00:11:03,240

the pool and maybe you're having trouble

196

00:11:07,550 --> 00:11:04,889

with the tools or the space suit or

197

00:11:10,579 --> 00:11:07,560

you're learning how to fly the airplanes

198

00:11:11,990 --> 00:11:10,589

that we we trained in t-38 sand maybe

199

00:11:14,629 --> 00:11:12,000

you don't fly quite as well as you'd

200

00:11:16,430 --> 00:11:14,639

like to on a particular day I would not

201
00:11:18,889 --> 00:11:16,440
say that there was every time I didn't I

202
00:11:20,689 --> 00:11:18,899
wanted to give up though all the things

203
00:11:23,720 --> 00:11:20,699
we do and there's such a wide variety of

204
00:11:26,090 --> 00:11:23,730
things are so much fun that I just feel

205
00:11:31,720 --> 00:11:26,100
privileged and so lucky every day that I

206
00:11:39,810 --> 00:11:34,389
hello my name is Brian I'm a question is

207
00:11:45,490 --> 00:11:42,840
floating around in space is wonderful

208
00:11:48,160 --> 00:11:45,500
dan is going to illustrate some things

209
00:11:52,689 --> 00:11:48,170
that are really hard to do when you're

210
00:11:56,079 --> 00:11:52,699
on earth and and it's it's a it's a

211
00:12:00,490 --> 00:11:56,089
wonderful experience to be able to be

212
00:12:12,410 --> 00:12:00,500
truly weightless and and move around

213
00:12:23,629 --> 00:12:15,860

hi my name is antenna and the cretan is

214

00:12:24,860 --> 00:12:23,639

how do you exercise in space that's

215

00:12:28,819 --> 00:12:24,870

really important for us to do exercise

216

00:12:30,819 --> 00:12:28,829

in space when we're here in space we're

217

00:12:33,079 --> 00:12:30,829

essentially weightless that is our the

218

00:12:34,819 --> 00:12:33,089

weight that we'd ordinarily feel if

219

00:12:37,069 --> 00:12:34,829

we're standing on planet Earth is offset

220

00:12:38,329 --> 00:12:37,079

by the orbital motion that we and the

221

00:12:41,389 --> 00:12:38,339

space station and all the things around

222

00:12:43,310 --> 00:12:41,399

us have so that forces counterbalance so

223

00:12:45,319 --> 00:12:43,320

we're essentially free floating and what

224

00:12:46,670 --> 00:12:45,329

that means is our muscles don't have to

225

00:12:48,199 --> 00:12:46,680

be strong our bones don't have to be

226

00:12:50,420 --> 00:12:48,209

strong our hearts don't have to pump a

227

00:12:52,879 --> 00:12:50,430

lot of blood to do the things we do up

228

00:12:55,250 --> 00:12:52,889

here which means if we just let things

229

00:12:57,650 --> 00:12:55,260

be our bodies would adapt to this and it

230

00:12:58,970 --> 00:12:57,660

would be very difficult to be strong

231

00:13:01,730 --> 00:12:58,980

enough to be healthy when you came back

232

00:13:03,500 --> 00:13:01,740

to earth so for us we exercise almost

233

00:13:06,439 --> 00:13:03,510

two and a half hours every day we do

234

00:13:08,509 --> 00:13:06,449

running on a treadmill or bicycling on a

235

00:13:10,579 --> 00:13:08,519

bicycle that's right here in this this

236

00:13:12,230 --> 00:13:10,589

laboratory with us and we also do weight

237

00:13:16,400 --> 00:13:12,240

training using a special machine that

238

00:13:19,100 --> 00:13:16,410

uses vacuum big big pneumatic or air

239

00:13:20,930 --> 00:13:19,110

powered cylinders that actually make it

240

00:13:24,910 --> 00:13:20,940

feel like lifting weights would be there

241

00:13:24,920 --> 00:13:27,960

you

242

00:13:37,759 --> 00:13:30,240

hi my name is one and who or what

243

00:13:41,220 --> 00:13:37,769

inspired you to become an astronaut up

244

00:13:45,329 --> 00:13:41,230

for me I think it was self motivation

245

00:13:47,429 --> 00:13:45,339

after watching a John Glenn fly in space

246

00:13:49,829 --> 00:13:47,439

and then the other astronauts that

247

00:13:53,189 --> 00:13:49,839

followed John Glenn watching the lunar

248

00:13:55,499 --> 00:13:53,199

program when I saw that it made me say

249

00:13:59,610 --> 00:13:55,509

wow this is a really cool thing to do

250

00:14:02,999 --> 00:13:59,620

and then I took math and science and

251
00:14:05,999 --> 00:14:03,009
engineering in college and did well in

252
00:14:09,240 --> 00:14:06,009
that and that's the key to doing

253
00:14:11,309 --> 00:14:09,250
everything cool in life and it was also

254
00:14:16,580 --> 00:14:11,319
the key that opened up the door for me

255
00:14:21,890 --> 00:14:19,370
hi my name is Lisa and my question is

256
00:14:28,760 --> 00:14:21,900
when you were a kid was becoming an

257
00:14:31,610 --> 00:14:28,770
astronaut one of your dreams I think

258
00:14:33,800 --> 00:14:31,620
when I was a kid I wanted to be an

259
00:14:36,620 --> 00:14:33,810
astronomer the space related thing that

260
00:14:40,490 --> 00:14:36,630
I was interested in was astronomy and I

261
00:14:42,830 --> 00:14:40,500
wanted to be I also wanted to be a Coast

262
00:14:45,740 --> 00:14:42,840
Guard person who went out on small boats

263
00:14:47,600 --> 00:14:45,750

Coast Guard small cutters and rescued

264

00:14:49,580 --> 00:14:47,610

people on stormy nights and things like

265

00:14:57,140 --> 00:14:49,590

that and I was very lucky to get a

266

00:15:00,140 --> 00:14:57,150

chance to do both of those things my

267

00:15:02,240 --> 00:15:00,150

mate hello my name is Samantha and my

268

00:15:10,430 --> 00:15:02,250

question is what is your mission up in

269

00:15:13,490 --> 00:15:10,440

space our mission is to learn how to

270

00:15:16,280 --> 00:15:13,500

live and work in space and expand human

271

00:15:19,970 --> 00:15:16,290

knowledge on living and working in space

272

00:15:23,180 --> 00:15:19,980

and at the same time we do science

273

00:15:30,970 --> 00:15:23,190

experiments that can only be done up

274

00:15:37,269 --> 00:15:34,840

hello my name is Marilyn my question is

275

00:15:44,319 --> 00:15:37,279

if it is what it what do they like to be

276

00:15:46,930 --> 00:15:44,329

in space it's amazing to be in space it

277

00:15:50,920 --> 00:15:46,940

is wonderful we get to wake up in the

278

00:15:53,650 --> 00:15:50,930

morning and fly like Superman down this

279

00:15:56,560 --> 00:15:53,660

you know 100 feet down the space station

280

00:15:59,949 --> 00:15:56,570

make breakfast we get to float over to a

281

00:16:01,689 --> 00:15:59,959

window where we can actually float up

282

00:16:03,430 --> 00:16:01,699

into actually it's almost like a glass

283

00:16:06,910 --> 00:16:03,440

bubble where we can see the earth going

284

00:16:09,430 --> 00:16:06,920

by and we can see from Horizon to

285

00:16:12,519 --> 00:16:09,440

horizon 360 degrees all around us

286

00:16:14,650 --> 00:16:12,529

thousands of miles we get to chance to

287

00:16:16,960 --> 00:16:14,660

do incredibly science experiments with

288

00:16:19,120 --> 00:16:16,970

really really smart people all around

289

00:16:21,370 --> 00:16:19,130

the world that are helping to what to do

290

00:16:23,680 --> 00:16:21,380

the research we do here we get to work

291

00:16:26,110 --> 00:16:23,690

on things and in repair things when

292

00:16:27,879 --> 00:16:26,120

things don't quite go as well as we'd

293

00:16:30,069 --> 00:16:27,889

like hardware wise we get to do space

294

00:16:34,060 --> 00:16:30,079

walks sometimes we get to do robotics

295

00:16:36,329 --> 00:16:34,070

operations sometimes in short every day

296

00:16:38,710 --> 00:16:36,339

is different every day is wonderful and

297

00:16:43,330 --> 00:16:38,720

it's one of the neatest parts about

298

00:16:51,700 --> 00:16:45,580

hi my name is Jonathan do you get to

299

00:16:54,280 --> 00:16:51,710

cook your favorite food in space we

300

00:16:57,400 --> 00:16:54,290

really don't cook our food we have food

301
00:16:59,260 --> 00:16:57,410
that's more like camp and food and so it

302
00:17:01,870 --> 00:16:59,270
comes in pouches and it comes in

303
00:17:04,720 --> 00:17:01,880
envelopes that are freeze-dried then we

304
00:17:07,240 --> 00:17:04,730
either inject hot water into it or room

305
00:17:09,070 --> 00:17:07,250
temperature water or we put it in a food

306
00:17:12,280 --> 00:17:09,080
warmer which looks a little bit like a

307
00:17:19,900 --> 00:17:12,290
suitcase and just warm it up and then we

308
00:17:23,950 --> 00:17:19,910
rip open the package and chow down hi my

309
00:17:33,780 --> 00:17:23,960
name is Maura my question is what does

310
00:17:38,790 --> 00:17:35,730
I think the question was what the space

311
00:17:49,380 --> 00:17:38,800
smell like and correct me if I got that

312
00:17:51,570 --> 00:17:49,390
wrong that's correct what does yes yeah

313
00:17:53,730 --> 00:17:51,580

okay that is correct okay good good

314

00:17:55,710 --> 00:17:53,740

that's an interesting question and and

315

00:17:56,940 --> 00:17:55,720

it's it's something that I think a lot

316

00:17:59,250 --> 00:17:56,950

of people that have flown here before

317

00:18:01,380 --> 00:17:59,260

have noticed and that is after you doc a

318

00:18:02,760 --> 00:18:01,390

space shuttle or Soyuz spacecraft to

319

00:18:04,350 --> 00:18:02,770

space station after you go outside and

320

00:18:08,910 --> 00:18:04,360

do a spacewalk or somebody goes outside

321

00:18:12,030 --> 00:18:08,920

and comes back in and you equalize the

322

00:18:13,830 --> 00:18:12,040

the pressure difference between outside

323

00:18:16,020 --> 00:18:13,840

which is nearly zero and inside which is

324

00:18:17,910 --> 00:18:16,030

like it is on planet Earth you get a

325

00:18:20,550 --> 00:18:17,920

chance to smell something that's that's

326

00:18:24,000 --> 00:18:20,560

a little bit metallic smelling a little

327

00:18:25,940 --> 00:18:24,010

bit oily smelling maybe and there's some

328

00:18:29,550 --> 00:18:25,950

theories on what that actually is and

329

00:18:31,170 --> 00:18:29,560

although we're flying in essentially the

330

00:18:33,090 --> 00:18:31,180

vacuum of space where there's very very

331

00:18:35,070 --> 00:18:33,100

little matter up here there's still a

332

00:18:37,260 --> 00:18:35,080

little bit and some of it is charged and

333

00:18:39,030 --> 00:18:37,270

some of it actually causes potentially

334

00:18:41,700 --> 00:18:39,040

some reactions on the various materials

335

00:18:45,390 --> 00:18:41,710

that are outside so our theory is that

336

00:18:48,060 --> 00:18:45,400

the smell of space this this oily

337

00:18:49,650 --> 00:18:48,070

metallic sort of smell is probably

338

00:18:51,480 --> 00:18:49,660

associated with that but it's very

339

00:18:53,040 --> 00:18:51,490

distinctive and it's very repeatable and

340

00:18:55,170 --> 00:18:53,050

it doesn't matter whether you're in a

341

00:18:56,940 --> 00:18:55,180

shuttle doing a spacewalk or coming on

342

00:19:01,770 --> 00:18:56,950

the Soyuz it's always pretty much the

343

00:19:08,590 --> 00:19:05,380

hi my name is Eileen and my question is

344

00:19:14,110 --> 00:19:08,600

when you return to Earth what is it what

345

00:19:17,010 --> 00:19:14,120

are you planning to do next when I

346

00:19:20,050 --> 00:19:17,020

return to Earth we're going to have a

347

00:19:22,840 --> 00:19:20,060

fairly extensive period a month or two

348

00:19:24,730 --> 00:19:22,850

of rehabilitation and that and that's

349

00:19:27,070 --> 00:19:24,740

just getting your muscles and your

350

00:19:30,130 --> 00:19:27,080

cardiovascular system your heart pumping

351

00:19:32,230 --> 00:19:30,140

blood so it's used to being back on

352

00:19:33,580 --> 00:19:32,240

earth again so that's the first thing

353

00:19:36,310 --> 00:19:33,590

I'm going to do when I get back to earth

354

00:19:38,680 --> 00:19:36,320

and actually the first thing I'm going

355

00:19:49,630 --> 00:19:38,690

to do when I get back to Houston is give

356

00:19:51,580 --> 00:19:49,640

my family a big hug thank you everybody

357

00:19:53,920 --> 00:19:51,590

for participating in this event I'd

358

00:19:55,930 --> 00:19:53,930

really like to thank commander dan

359

00:19:57,940 --> 00:19:55,940

burbank and flight engineer Don Pettit

360

00:20:00,850 --> 00:19:57,950

it's been an amazing experience for here

361

00:20:15,020 --> 00:20:00,860

at the tech museum in san jose and it's

362

00:20:21,180 --> 00:20:18,030

station this is Houston ACR thank you

363

00:20:23,880 --> 00:20:21,190

that concludes the event and thank you

364

00:20:25,860 --> 00:20:23,890

everybody at the tech museum station we