



1
00:00:07,829 --> 00:00:04,870
station this is houston are you ready

2
00:00:12,709 --> 00:00:10,790
we are ready for the event

3
00:00:14,470 --> 00:00:12,719
time for kids this is mission control

4
00:00:16,070 --> 00:00:14,480
houston please call station for a voice

5
00:00:19,510 --> 00:00:16,080
check

6
00:00:23,830 --> 00:00:19,520
station this is this is time for kids

7
00:00:28,550 --> 00:00:26,710
we uh we hear you okay not great there's

8
00:00:30,790 --> 00:00:28,560
a little bit of an echo and the volume's

9
00:00:42,389 --> 00:00:30,800
a little low but i think we can work

10
00:00:47,270 --> 00:00:44,389
hi my name is elizabeth

11
00:00:49,590 --> 00:00:47,280
and my questions for scott

12
00:00:54,630 --> 00:00:49,600
what happens to the spacecraft after you

13
00:00:59,189 --> 00:00:56,869

hi elizabeth well we come up here on the

14

00:01:00,790 --> 00:00:59,199

russian soyuz the spacecraft that you

15

00:01:02,389 --> 00:01:00,800

mentioned and

16

00:01:04,149 --> 00:01:02,399

after we dock

17

00:01:05,990 --> 00:01:04,159

it stays here with us

18

00:01:08,390 --> 00:01:06,000

for um

19

00:01:10,390 --> 00:01:08,400

most of for most people it stays with us

20

00:01:12,870 --> 00:01:10,400

the whole time we're here so we can use

21

00:01:16,149 --> 00:01:12,880

it to come back in an emergency

22

00:01:18,149 --> 00:01:16,159

uh if required we power it down and and

23

00:01:20,789 --> 00:01:18,159

so it's in this uh kind of a

24

00:01:23,030 --> 00:01:20,799

conservation mode but since i've been up

25

00:01:25,190 --> 00:01:23,040

here a long time we actually replaced

26
00:01:33,429 --> 00:01:25,200
errors after about six months a new one

27
00:01:37,429 --> 00:01:36,069
hi my name is mary and my question is

28
00:01:39,910 --> 00:01:37,439
for scott

29
00:01:45,749 --> 00:01:39,920
how does a fedo spend a year in space of

30
00:01:50,230 --> 00:01:48,310
hmm good question so even though even

31
00:01:52,950 --> 00:01:50,240
though i like these people

32
00:01:54,950 --> 00:01:52,960
it would be good to have other people

33
00:01:56,709 --> 00:01:54,960
as well

34
00:01:59,109 --> 00:01:56,719
to go with them

35
00:02:01,670 --> 00:01:59,119
because

36
00:02:03,270 --> 00:02:01,680
i think variety in life is important and

37
00:02:06,630 --> 00:02:03,280
there are people on the ground that we

38
00:02:08,949 --> 00:02:06,640

miss and you know our friends our family

39

00:02:09,910 --> 00:02:08,959

and it'd be nice to have them here too

40

00:02:11,750 --> 00:02:09,920

but

41

00:02:14,949 --> 00:02:11,760

i understand that's not possible right

42

00:02:18,150 --> 00:02:17,030

hi my name is sarah and my question is

43

00:02:20,150 --> 00:02:18,160

for chell

44

00:02:21,990 --> 00:02:20,160

is being in space just like a regular

45

00:02:26,550 --> 00:02:22,000

routine for you now or does it still

46

00:02:29,750 --> 00:02:28,070

hey thank you that's a that's a great

47

00:02:31,589 --> 00:02:29,760

question and it's one of the things that

48

00:02:33,910 --> 00:02:31,599

really surprised me about being up here

49

00:02:37,830 --> 00:02:33,920

and i think it really speaks to

50

00:02:40,070 --> 00:02:37,840

how adaptable we are as humans um

51
00:02:41,589 --> 00:02:40,080
you know floating is something that you

52
00:02:44,070 --> 00:02:41,599
i don't you never feel like you could

53
00:02:45,430 --> 00:02:44,080
get used to um but after you've been up

54
00:02:47,670 --> 00:02:45,440
here for

55
00:02:50,790 --> 00:02:47,680
you know a month a month and a half it

56
00:02:54,070 --> 00:02:50,800
feels very natural and so while it's

57
00:02:56,150 --> 00:02:54,080
it's a lot of fun to float um it becomes

58
00:02:57,910 --> 00:02:56,160
kind of an almost like an everyday thing

59
00:03:00,149 --> 00:02:57,920
and you really have to remind yourself

60
00:03:02,229 --> 00:03:00,159
sometimes how special it is to to be

61
00:03:07,670 --> 00:03:02,239
able to float around and also to be able

62
00:03:11,430 --> 00:03:09,990
hi my name is noah and my question is

63
00:03:12,949 --> 00:03:11,440

for scott

64

00:03:19,190 --> 00:03:12,959

if you weren't

65

00:03:23,110 --> 00:03:21,990

so noah i was in the uh united states

66

00:03:24,550 --> 00:03:23,120

navy

67

00:03:25,789 --> 00:03:24,560

for

68

00:03:28,149 --> 00:03:25,799

uh

69

00:03:29,509 --> 00:03:28,159

26 years

70

00:03:31,350 --> 00:03:29,519

and uh

71

00:03:33,110 --> 00:03:31,360

i would probably

72

00:03:35,509 --> 00:03:33,120

still be in the navy if i wasn't an

73

00:03:36,470 --> 00:03:35,519

astronaut i retired a number of years

74

00:03:39,110 --> 00:03:36,480

ago

75

00:03:41,190 --> 00:03:39,120

but uh i enjoyed my career in the navy i

76

00:03:42,789 --> 00:03:41,200

was a pilot in the navy and i think i'd

77

00:03:44,550 --> 00:03:42,799

probably

78

00:03:50,869 --> 00:03:44,560

if i wasn't an astronaut still be in the

79

00:03:55,830 --> 00:03:52,949

hi my name is evan and my question is

80

00:03:57,750 --> 00:03:55,840

for chell since urine is recycled how

81

00:04:03,429 --> 00:03:57,760

weird does it feel to drink water on the

82

00:04:07,910 --> 00:04:06,630

that's a great question and uh you know

83

00:04:10,070 --> 00:04:07,920

i think part of it is that we don't

84

00:04:11,030 --> 00:04:10,080

think try not to think about it too much

85

00:04:13,429 --> 00:04:11,040

um

86

00:04:15,830 --> 00:04:13,439

but the the fact of the matter is it's a

87

00:04:17,430 --> 00:04:15,840

it's an incredible technology and it's

88

00:04:19,509 --> 00:04:17,440

something that uh

89

00:04:21,909 --> 00:04:19,519

we hope can be used that technology can

90

00:04:24,469 --> 00:04:21,919

be used back down on the earth to create

91

00:04:25,909 --> 00:04:24,479

uh clean drinking water for a lot of

92

00:04:29,749 --> 00:04:25,919

people around the world that don't have

93

00:04:31,670 --> 00:04:29,759

access to clean water and and up here

94

00:04:33,830 --> 00:04:31,680

frankly the the water tastes great you

95

00:04:35,670 --> 00:04:33,840

know it's uh there's there's no taste to

96

00:04:38,070 --> 00:04:35,680

it tastes like fresh water

97

00:04:40,230 --> 00:04:38,080

and uh and so it's it's really nice to

98

00:04:43,350 --> 00:04:40,240

have that uh capability up here because

99

00:04:45,510 --> 00:04:43,360

that way we don't have to ship water up

100

00:04:47,909 --> 00:04:45,520

on a cargo vehicle every time that we

101
00:04:50,070 --> 00:04:47,919
need some we're able to pull water out

102
00:04:52,629 --> 00:04:50,080
of the air called condensate and we're

103
00:04:54,230 --> 00:04:52,639
able to process our our urine back into

104
00:04:55,670 --> 00:04:54,240
clean drinking water and that's an

105
00:04:57,990 --> 00:04:55,680
important technology to have you know

106
00:04:59,350 --> 00:04:58,000
when we think about going off going on

107
00:05:00,870 --> 00:04:59,360
to mars

108
00:05:02,390 --> 00:05:00,880
we're going to have to have technologies

109
00:05:03,990 --> 00:05:02,400
like that so that we don't have to bring

110
00:05:07,029 --> 00:05:04,000
everything that we need with us that

111
00:05:07,990 --> 00:05:07,039
we're able to recycle and reuse a lot of

112
00:05:10,469 --> 00:05:08,000
those

113
00:05:15,350 --> 00:05:10,479

consumable materials um

114

00:05:21,110 --> 00:05:18,469

hey and to add to chell's answer so it's

115

00:05:22,070 --> 00:05:21,120

weird to drink our own urine but what is

116

00:05:24,550 --> 00:05:22,080

weirder

117

00:05:30,469 --> 00:05:24,560

is to drink other people's urine

118

00:05:35,510 --> 00:05:32,870

hi my name is alexa and my question is

119

00:05:41,510 --> 00:05:35,520

for scott does being in space affect how

120

00:05:49,350 --> 00:05:42,629

um

121

00:05:51,270 --> 00:05:49,360

you know i i think you can actually for

122

00:05:53,110 --> 00:05:51,280

whatever reason eat more up here it

123

00:05:56,150 --> 00:05:53,120

seems like maybe it's because of the

124

00:05:57,510 --> 00:05:56,160

exercise we do and we do that every day

125

00:05:59,270 --> 00:05:57,520

but

126

00:06:01,670 --> 00:05:59,280

i think i probably

127

00:06:03,350 --> 00:06:01,680

actually eat more calories here

128

00:06:05,749 --> 00:06:03,360

than i do on earth and i think other

129

00:06:07,590 --> 00:06:05,759

people probably noticed the same thing

130

00:06:10,309 --> 00:06:07,600

perhaps there's some kind of other

131

00:06:11,830 --> 00:06:10,319

physiological reason behind that

132

00:06:14,309 --> 00:06:11,840

um

133

00:06:15,990 --> 00:06:14,319

you know the the food here though is is

134

00:06:18,230 --> 00:06:16,000

somewhat different than the food we eat

135

00:06:19,430 --> 00:06:18,240

on earth so maybe because

136

00:06:22,230 --> 00:06:19,440

maybe though even though we're eating

137

00:06:23,749 --> 00:06:22,240

more calories it's like better calories

138

00:06:25,590 --> 00:06:23,759

maybe they're a little bit more healthy

139

00:06:27,029 --> 00:06:25,600

for you so means we can eat more of them

140

00:06:32,309 --> 00:06:27,039

i don't i don't know for sure but it

141

00:06:35,909 --> 00:06:34,790

hi my name is sophia and my question is

142

00:06:37,749 --> 00:06:35,919

for chell

143

00:06:39,510 --> 00:06:37,759

what is the most surprising thing that

144

00:06:44,070 --> 00:06:39,520

you've encountered during your journey

145

00:06:49,029 --> 00:06:46,710

hey sophia thanks for that question you

146

00:06:51,830 --> 00:06:49,039

know i think one of it one surprising

147

00:06:54,070 --> 00:06:51,840

thing to me is uh

148

00:06:55,670 --> 00:06:54,080

it goes back to that first question and

149

00:06:58,309 --> 00:06:55,680

you know when you think about living in

150

00:07:00,070 --> 00:06:58,319

space and and getting to float and see

151

00:07:02,309 --> 00:07:00,080

the earth it seems like that is

152

00:07:04,710 --> 00:07:02,319

something that would just be constantly

153

00:07:06,550 --> 00:07:04,720

new and exciting and like i said before

154

00:07:08,150 --> 00:07:06,560

it's actually i think one of the amazing

155

00:07:09,909 --> 00:07:08,160

things is that you kind of get used to

156

00:07:12,550 --> 00:07:09,919

that you get used to being able to float

157

00:07:13,670 --> 00:07:12,560

around it just kind of becomes normal up

158

00:07:15,029 --> 00:07:13,680

here

159

00:07:16,870 --> 00:07:15,039

so that was surprising one of the other

160

00:07:18,710 --> 00:07:16,880

things that was surprising and really

161

00:07:20,390 --> 00:07:18,720

kind of one of the most breathtaking

162

00:07:23,589 --> 00:07:20,400

things that i have experienced up here

163

00:07:26,309 --> 00:07:23,599

was getting to see the aurora

164

00:07:28,309 --> 00:07:26,319

the southern lights from up here and and

165

00:07:30,469 --> 00:07:28,319

normally

166

00:07:32,550 --> 00:07:30,479

when the their solar activity and the

167

00:07:35,270 --> 00:07:32,560

aurora becomes active you know you can

168

00:07:36,870 --> 00:07:35,280

kind of see it over the uh the horizon

169

00:07:38,230 --> 00:07:36,880

of the earth over the at the earth's

170

00:07:40,550 --> 00:07:38,240

atmosphere but there have been a couple

171

00:07:43,189 --> 00:07:40,560

of times that it has just lit up the

172

00:07:45,670 --> 00:07:43,199

atmosphere below us so that we're

173

00:07:47,830 --> 00:07:45,680

essentially flying through it and just

174

00:07:51,189 --> 00:07:47,840

like ripples of green and purple below

175

00:07:52,469 --> 00:07:51,199

us uh wiggling very quickly like a snake

176

00:07:57,189 --> 00:07:52,479

absolutely beautiful it gave me

177

00:08:02,309 --> 00:07:59,670

hi my name is alison and my question is

178

00:08:04,390 --> 00:08:02,319

for scott can you describe how it feels

179

00:08:10,070 --> 00:08:04,400

once you're back on earth after being in

180

00:08:16,309 --> 00:08:12,550

so alison so um

181

00:08:17,510 --> 00:08:16,319

you're dizzy at first and uh

182

00:08:18,950 --> 00:08:17,520

you know it depends on how long you've

183

00:08:21,029 --> 00:08:18,960

been up here too

184

00:08:22,790 --> 00:08:21,039

when i flew on two shuttle missions that

185

00:08:25,430 --> 00:08:22,800

were much shorter you were

186

00:08:28,230 --> 00:08:25,440

not as dizzy and uh

187

00:08:30,070 --> 00:08:28,240

but you get over that and after like in

188

00:08:32,230 --> 00:08:30,080

my case uh

189

00:08:34,630 --> 00:08:32,240

you know probably about a day

190

00:08:38,070 --> 00:08:34,640

you're feeling uh pretty good but you're

191

00:08:40,310 --> 00:08:38,080

also pretty sore and tired you know our

192

00:08:41,430 --> 00:08:40,320

like my neck was really sore because up

193

00:08:42,949 --> 00:08:41,440

here

194

00:08:44,790 --> 00:08:42,959

you really don't have to hold your head

195

00:08:46,150 --> 00:08:44,800

up it's just kind of floating on your

196

00:08:46,949 --> 00:08:46,160

shoulders

197

00:08:48,790 --> 00:08:46,959

so

198

00:08:51,430 --> 00:08:48,800

uh when you get home and gravity's

199

00:08:53,350 --> 00:08:51,440

pushing down in your head you know your

200

00:08:56,070 --> 00:08:53,360

your uh you know your neck might hurt

201

00:08:58,070 --> 00:08:56,080

other joints might be painful for

202

00:09:00,310 --> 00:08:58,080

for other reasons you're tired uh

203

00:09:03,269 --> 00:09:00,320

because adjusting to readjusting the

204

00:09:05,430 --> 00:09:03,279

gravity makes you tired but uh

205

00:09:07,990 --> 00:09:05,440

it's something that we we deal with and

206

00:09:09,990 --> 00:09:08,000

uh you know people recover from it at

207

00:09:10,949 --> 00:09:10,000

different uh rates and different ways

208

00:09:13,829 --> 00:09:10,959

but

209

00:09:16,230 --> 00:09:13,839

the good news is we understand um you

210

00:09:17,990 --> 00:09:16,240

know a lot about this and

211

00:09:20,870 --> 00:09:18,000

someday when we go to mars we'll be able

212

00:09:22,870 --> 00:09:20,880

to go from living in zero gravity to

213

00:09:24,790 --> 00:09:22,880

living in martian gravity and be able to

214

00:09:30,389 --> 00:09:24,800

live and work in that environment as

215

00:09:35,030 --> 00:09:32,470

hi my name is sean

216

00:09:36,790 --> 00:09:35,040

and my question is for chill do you need

217

00:09:39,670 --> 00:09:36,800

to memorize all the buttons on the

218

00:09:43,670 --> 00:09:39,680

control panels and how do you know what

219

00:09:47,670 --> 00:09:45,430

sean that's a great question

220

00:09:51,190 --> 00:09:47,680

well i'll tell you what we've got a lot

221

00:09:52,949 --> 00:09:51,200

of buttons up here so um

222

00:09:55,350 --> 00:09:52,959

i don't know what every single button

223

00:09:57,829 --> 00:09:55,360

does some of the equipment we we don't

224

00:09:59,990 --> 00:09:57,839

even we don't use while we're up here

225

00:10:02,069 --> 00:10:00,000

but there are some some activities that

226
00:10:03,910 --> 00:10:02,079
we do almost on a daily basis and so we

227
00:10:04,949 --> 00:10:03,920
know definitely know what those buttons

228
00:10:06,470 --> 00:10:04,959
do

229
00:10:09,190 --> 00:10:06,480
we're very familiar with those and for

230
00:10:12,069 --> 00:10:09,200
example in the soyuz spacecraft in which

231
00:10:13,670 --> 00:10:12,079
we we both flew up in

232
00:10:14,949 --> 00:10:13,680
the stuff that we're responsible for we

233
00:10:17,030 --> 00:10:14,959
become very familiar with it and you

234
00:10:18,790 --> 00:10:17,040
don't really set out to memorize it but

235
00:10:20,949 --> 00:10:18,800
just because we interact with it so

236
00:10:22,069 --> 00:10:20,959
frequently in the simulators and in

237
00:10:25,750 --> 00:10:22,079
flight

238
00:10:27,509 --> 00:10:25,760

you have you have those memorized

239

00:10:29,030 --> 00:10:27,519

more importantly

240

00:10:30,710 --> 00:10:29,040

the training that we get on the ground

241

00:10:32,949 --> 00:10:30,720

so we spend time in simulators and

242

00:10:35,110 --> 00:10:32,959

mock-ups of the space station

243

00:10:36,710 --> 00:10:35,120

and we have tremendous tremendous

244

00:10:38,389 --> 00:10:36,720

training team on the ground that helps

245

00:10:40,870 --> 00:10:38,399

us to train on the things that we need

246

00:10:42,470 --> 00:10:40,880

to do in response to an emergency and

247

00:10:43,990 --> 00:10:42,480

the things that we do on a daily basis

248

00:10:46,230 --> 00:10:44,000

to conduct our experiments and do the

249

00:10:47,990 --> 00:10:46,240

maintenance up here so we definitely

250

00:10:50,230 --> 00:10:48,000

know the things that we need to know to

251
00:10:55,269 --> 00:10:50,240
have a successful flight and successful

252
00:10:58,790 --> 00:10:57,509
hi my name is dean and my question is

253
00:11:00,550 --> 00:10:58,800
for scott

254
00:11:07,670 --> 00:11:00,560
what do you do with your free time in

255
00:11:12,949 --> 00:11:09,590
so we don't have a whole lot of free

256
00:11:15,590 --> 00:11:12,959
time we're busy uh busy working here and

257
00:11:16,550 --> 00:11:15,600
doing a lot of scientific experiments we

258
00:11:18,790 --> 00:11:16,560
have over

259
00:11:20,710 --> 00:11:18,800
400 experiments going on while i'm up

260
00:11:23,030 --> 00:11:20,720
here for this this year

261
00:11:25,829 --> 00:11:23,040
but uh you know in the free time we have

262
00:11:28,389 --> 00:11:25,839
i like to you know look out at the earth

263
00:11:30,550 --> 00:11:28,399

and take pictures of the earth

264

00:11:32,630 --> 00:11:30,560

but also you know we watch movies at

265

00:11:33,750 --> 00:11:32,640

times read

266

00:11:35,990 --> 00:11:33,760

books

267

00:11:39,110 --> 00:11:36,000

uh talk on the phone to friends and

268

00:11:41,269 --> 00:11:39,120

family email things like that so and

269

00:11:44,470 --> 00:11:41,279

then also you know we can we can do

270

00:11:45,269 --> 00:11:44,480

stuff like this which is pretty fun too

271

00:11:56,230 --> 00:11:45,279

and

272

00:12:01,430 --> 00:11:56,240

for chell how long did you have to train

273

00:12:05,910 --> 00:12:03,990

great question olaf

274

00:12:08,310 --> 00:12:05,920

so when we first joined the astronaut

275

00:12:10,389 --> 00:12:08,320

corps we spent about two two and a half

276

00:12:12,069 --> 00:12:10,399

years just training on all the

277

00:12:14,310 --> 00:12:12,079

fundamental skills that we'll need to be

278

00:12:15,990 --> 00:12:14,320

able to fly in space and once we're done

279

00:12:17,590 --> 00:12:16,000

with that we are essentially we become

280

00:12:20,150 --> 00:12:17,600

mission eligible that is that we can

281

00:12:21,110 --> 00:12:20,160

become assigned to an actual mission to

282

00:12:22,629 --> 00:12:21,120

fly

283

00:12:23,670 --> 00:12:22,639

and then once i got assigned to a

284

00:12:26,310 --> 00:12:23,680

mission

285

00:12:27,990 --> 00:12:26,320

i spent another two two and a half years

286

00:12:29,590 --> 00:12:28,000

training for the various the specific

287

00:12:31,110 --> 00:12:29,600

things that i would be doing during that

288

00:12:33,430 --> 00:12:31,120

mission during this mission that we're

289

00:12:34,870 --> 00:12:33,440

on right now so all told it was about

290

00:12:36,629 --> 00:12:34,880

five years four or five years of

291

00:12:39,509 --> 00:12:36,639

training to to get up here to the space

292

00:12:42,150 --> 00:12:39,519

station

293

00:12:44,230 --> 00:12:42,160

and and like i said before we have

294

00:12:46,230 --> 00:12:44,240

excellent trainers and excellent team

295

00:12:50,829 --> 00:12:46,240

supporting us on the ground to make it

296

00:12:55,750 --> 00:12:53,430

successful hi my name is colin my

297

00:12:58,710 --> 00:12:55,760

question is for scott what procedures

298

00:13:03,829 --> 00:12:58,720

are in place to clean the iss and do you

299

00:13:08,790 --> 00:13:06,069

so yeah we have a procedure for just

300

00:13:10,150 --> 00:13:08,800

about everything including cleaning and

301
00:13:11,590 --> 00:13:10,160
when we uh

302
00:13:12,629 --> 00:13:11,600
when we clean

303
00:13:17,430 --> 00:13:12,639
um

304
00:13:19,269 --> 00:13:17,440
filters because you know we don't have

305
00:13:22,069 --> 00:13:19,279
we don't have gravity to push all the

306
00:13:23,670 --> 00:13:22,079
dirt down to the floor so it has to be

307
00:13:25,509 --> 00:13:23,680
sucked into these air filters and

308
00:13:27,350 --> 00:13:25,519
there's some right along here

309
00:13:29,590 --> 00:13:27,360
actually there's something in this one

310
00:13:31,670 --> 00:13:29,600
i'll just grab it out of here

311
00:13:34,150 --> 00:13:31,680
see so some of this stuff this is a food

312
00:13:36,710 --> 00:13:34,160
package that probably got away from our

313
00:13:37,990 --> 00:13:36,720

our table but we'll vacuum these uh

314

00:13:39,910 --> 00:13:38,000

filters

315

00:13:42,790 --> 00:13:39,920

we'll wipe the uh

316

00:13:44,629 --> 00:13:42,800

the panels down with disinfectant wipes

317

00:13:47,110 --> 00:13:44,639

and especially the stuff that we put our

318

00:13:49,990 --> 00:13:47,120

hands on a lot like the handrails

319

00:13:51,110 --> 00:13:50,000

the microphones the computer keys stuff

320

00:13:51,910 --> 00:13:51,120

like that

321

00:13:53,350 --> 00:13:51,920

and

322

00:13:55,750 --> 00:13:53,360

you know depending on the module there

323

00:13:58,710 --> 00:13:55,760

are different procedures but we we share

324

00:14:00,790 --> 00:13:58,720

the cleaning responsibilities

325

00:14:04,069 --> 00:14:00,800

the three crew members on the us segment

326

00:14:07,110 --> 00:14:04,079

we split the segment up into three parts

327

00:14:09,910 --> 00:14:07,120

the russians clean uh their part of the

328

00:14:11,430 --> 00:14:09,920

space station and we do that

329

00:14:12,470 --> 00:14:11,440

on the weekend kind of like how you

330

00:14:14,230 --> 00:14:12,480

would might

331

00:14:16,550 --> 00:14:14,240

clean your house or your room you might

332

00:14:21,910 --> 00:14:16,560

spend weekend time to do that we do the

333

00:14:25,829 --> 00:14:23,269

so

334

00:14:28,069 --> 00:14:25,839

my name is izana and my question is for

335

00:14:30,069 --> 00:14:28,079

chell what does it feel like to be so

336

00:14:35,829 --> 00:14:30,079

many miles away from any other life

337

00:14:39,509 --> 00:14:37,590

well this is it's a pretty amazing place

338

00:14:42,230 --> 00:14:39,519

to live and work and so

339

00:14:43,269 --> 00:14:42,240

but uh but it's true you know we

340

00:14:46,230 --> 00:14:43,279

it's

341

00:14:47,910 --> 00:14:46,240

our crew of six up here and occasionally

342

00:14:50,870 --> 00:14:47,920

we'll have crews that came up come up to

343

00:14:52,550 --> 00:14:50,880

visit and uh and so for a while there we

344

00:14:53,430 --> 00:14:52,560

had nine people up here which was pretty

345

00:14:54,710 --> 00:14:53,440

fun

346

00:14:57,269 --> 00:14:54,720

um but

347

00:14:59,350 --> 00:14:57,279

uh like scott was saying

348

00:15:01,509 --> 00:14:59,360

you know it's it's we get we all get

349

00:15:04,230 --> 00:15:01,519

along great but uh

350

00:15:06,069 --> 00:15:04,240

it's uh it would be nice to get to

351

00:15:07,990 --> 00:15:06,079

to interact with other people so i think

352

00:15:09,189 --> 00:15:08,000

we you know you definitely

353

00:15:10,710 --> 00:15:09,199

get to the point where you're missing

354

00:15:12,470 --> 00:15:10,720

your family and missing your friends and

355

00:15:13,910 --> 00:15:12,480

for me that's the the hardest part of

356

00:15:16,550 --> 00:15:13,920

this mission is being away from my

357

00:15:17,990 --> 00:15:16,560

family for so long um

358

00:15:19,990 --> 00:15:18,000

but the

359

00:15:22,150 --> 00:15:20,000

the privilege of getting to be up here

360

00:15:23,750 --> 00:15:22,160

on the space station uh to get to work

361

00:15:26,150 --> 00:15:23,760

and live up here to be able to see the

362

00:15:28,470 --> 00:15:26,160

earth from this perspective

363

00:15:32,389 --> 00:15:28,480

and get to to get to work on incredible

364

00:15:34,629 --> 00:15:32,399

science like we we do um is uh is a real

365

00:15:37,030 --> 00:15:34,639

treat and and it kind of makes up for

366

00:15:42,470 --> 00:15:37,040

having to be away from our friends and

367

00:15:45,990 --> 00:15:44,470

hi my name is annika and my question is

368

00:15:48,550 --> 00:15:46,000

for scott

369

00:15:50,150 --> 00:15:48,560

so after going into space and seeing the

370

00:15:58,150 --> 00:15:50,160

earth from above how do you feel

371

00:16:03,030 --> 00:16:00,230

well you know

372

00:16:04,389 --> 00:16:03,040

the earth and the space station is

373

00:16:09,350 --> 00:16:04,399

pretty

374

00:16:11,990 --> 00:16:09,360

i don't know that i have a different

375

00:16:14,389 --> 00:16:12,000

perspective on my my

376

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

spot in it as a result from flying in

377

00:16:20,069 --> 00:16:16,959

space because the universe is

378

00:16:21,430 --> 00:16:20,079

is so very big

379

00:16:23,509 --> 00:16:21,440

you know you do get a little bit of a

380

00:16:24,870 --> 00:16:23,519

different perspective on the earth being

381

00:16:26,949 --> 00:16:24,880

here because you there are certain

382

00:16:29,030 --> 00:16:26,959

things you can see from

383

00:16:30,550 --> 00:16:29,040

uh the space station and from space on

384

00:16:32,550 --> 00:16:30,560

the earth that you really don't

385

00:16:34,470 --> 00:16:32,560

necessarily appreciate when you're

386

00:16:36,870 --> 00:16:34,480

standing on it for instance

387

00:16:38,629 --> 00:16:36,880

you know how thin and fragile the uh the

388

00:16:39,829 --> 00:16:38,639

atmosphere is

389

00:16:42,710 --> 00:16:39,839

um

390

00:16:44,389 --> 00:16:42,720

we also are able to see pollution in

391

00:16:47,350 --> 00:16:44,399

certain parts of the world

392

00:16:50,150 --> 00:16:47,360

that is almost there is there almost all

393

00:16:53,590 --> 00:16:50,160

the time and you know really affects our

394

00:16:56,629 --> 00:16:53,600

ability to see the cities that are below

395

00:16:58,310 --> 00:16:56,639

uh this this uh pollution so

396

00:17:01,350 --> 00:16:58,320

it definitely gives you a different

397

00:17:03,590 --> 00:17:01,360

perspective on on earth

398

00:17:04,710 --> 00:17:03,600

but i'm not too sure for me at least it

399

00:17:09,909 --> 00:17:04,720

gives me any kind of different

400

00:17:18,309 --> 00:17:11,909

hi my name is dafina and my question is

401
00:17:20,870 --> 00:17:19,750
you know i think that there are some

402
00:17:22,549 --> 00:17:20,880
people

403
00:17:23,750 --> 00:17:22,559
who have a hard time sleeping up here

404
00:17:24,870 --> 00:17:23,760
for myself

405
00:17:26,470 --> 00:17:24,880
i find it

406
00:17:28,710 --> 00:17:26,480
very comfortable

407
00:17:30,630 --> 00:17:28,720
some people need that sensation of

408
00:17:32,870 --> 00:17:30,640
having a bed behind their back and maybe

409
00:17:34,710 --> 00:17:32,880
a pillow under their neck and so we all

410
00:17:36,630 --> 00:17:34,720
sleep in sleeping bags and you can

411
00:17:38,470 --> 00:17:36,640
bungee your sleeping bag to the wall of

412
00:17:40,070 --> 00:17:38,480
your crew quarters and get that sense of

413
00:17:41,590 --> 00:17:40,080

pressure on your back and for some

414

00:17:42,870 --> 00:17:41,600

people that makes that helps them to

415

00:17:44,789 --> 00:17:42,880

sleep better

416

00:17:47,110 --> 00:17:44,799

i just have one

417

00:17:48,710 --> 00:17:47,120

cord tying my sleeping bag to the wall

418

00:17:50,150 --> 00:17:48,720

just so that the sleeping bag doesn't

419

00:17:51,669 --> 00:17:50,160

fly away and then i crawl into my

420

00:17:53,350 --> 00:17:51,679

sleeping bag and i basically just kind

421

00:17:56,070 --> 00:17:53,360

of sleep floating in the middle of my

422

00:17:57,909 --> 00:17:56,080

crew quarters in the sleeping bag and um

423

00:17:59,350 --> 00:17:57,919

i kind of imagine that i'm sleeping on a

424

00:18:05,110 --> 00:17:59,360

cloud or something and that's very

425

00:18:08,710 --> 00:18:07,430

hi my name is haley and my question is

426
00:18:11,029 --> 00:18:08,720
for scott

427
00:18:13,270 --> 00:18:11,039
you said you post photos on social media

428
00:18:18,630 --> 00:18:13,280
and watch movies how you get internet

429
00:18:23,270 --> 00:18:21,669
so the uh the space station has a an

430
00:18:25,350 --> 00:18:23,280
ability to communicate with the ground

431
00:18:28,310 --> 00:18:25,360
for instance right now when we were

432
00:18:31,110 --> 00:18:28,320
talking to you this goes from a uh

433
00:18:34,070 --> 00:18:31,120
the signal's going from a satellite dish

434
00:18:37,750 --> 00:18:34,080
uh that's on the space station to a

435
00:18:39,270 --> 00:18:37,760
a satellite dish that's much uh

436
00:18:41,110 --> 00:18:39,280
you know to a satellite that's much

437
00:18:42,669 --> 00:18:41,120
further away from the earth

438
00:18:45,350 --> 00:18:42,679

in

439

00:18:47,430 --> 00:18:45,360

geosynchronous or stationary orbit

440

00:18:49,990 --> 00:18:47,440

essentially over a spot on the earth and

441

00:18:51,830 --> 00:18:50,000

then that signal is transmitted back to

442

00:18:53,990 --> 00:18:51,840

the earth

443

00:18:55,990 --> 00:18:54,000

to a satellite dish and you know who

444

00:18:58,470 --> 00:18:56,000

knows it may be transmitted back to

445

00:19:01,510 --> 00:18:58,480

another satellite before it gets to to

446

00:19:02,230 --> 00:19:01,520

you guys maybe multiple times so

447

00:19:04,630 --> 00:19:02,240

it's

448

00:19:07,270 --> 00:19:04,640

the internet goes uh you know over the

449

00:19:10,310 --> 00:19:07,280

same you know transmission

450

00:19:12,630 --> 00:19:10,320

uh path as our voice does and it gives

451

00:19:15,430 --> 00:19:12,640

us the capability to connect to the the

452

00:19:22,230 --> 00:19:15,440

internet on the ground and it's not the

453

00:19:25,750 --> 00:19:24,470

hi my name is neil and my question is

454

00:19:27,590 --> 00:19:25,760

for chell

455

00:19:29,669 --> 00:19:27,600

are there times when you really miss

456

00:19:36,549 --> 00:19:29,679

being on earth and if so can you please

457

00:19:40,070 --> 00:19:37,990

yeah and so

458

00:19:42,549 --> 00:19:40,080

you know i described before that

459

00:19:44,310 --> 00:19:42,559

for me for this um

460

00:19:45,590 --> 00:19:44,320

being for this expedition the hardest

461

00:19:47,510 --> 00:19:45,600

thing for me is really being away from

462

00:19:49,190 --> 00:19:47,520

my family and friends and and so i think

463

00:19:51,190 --> 00:19:49,200

that there are definitely times that uh

464

00:19:53,590 --> 00:19:51,200

that you miss being on the ground you

465

00:19:56,150 --> 00:19:53,600

know i've i've been up here for all of

466

00:19:57,190 --> 00:19:56,160

my kids birthdays and and for my wife's

467

00:19:58,950 --> 00:19:57,200

birthday and

468

00:20:02,950 --> 00:19:58,960

um

469

00:20:06,549 --> 00:20:04,870

there are times that uh

470

00:20:07,909 --> 00:20:06,559

you you'd like to be able to gather

471

00:20:09,909 --> 00:20:07,919

together with your friends and family

472

00:20:13,590 --> 00:20:09,919

and so um i think we miss those

473

00:20:15,029 --> 00:20:13,600

opportunities but we also enjoy being up

474

00:20:16,870 --> 00:20:15,039

here and getting to share this

475

00:20:18,830 --> 00:20:16,880

experience with our family and friends

476

00:20:21,909 --> 00:20:18,840

through pictures and phone calls and

477

00:20:23,750 --> 00:20:21,919

email and so you know those those kind

478

00:20:25,750 --> 00:20:23,760

of offset a little bit but

479

00:20:28,149 --> 00:20:25,760

and technology is terrific for that you

480

00:20:30,070 --> 00:20:28,159

know we have the ability to call

481

00:20:31,990 --> 00:20:30,080

family and friends using our internet

482

00:20:34,390 --> 00:20:32,000

protocol phone

483

00:20:35,990 --> 00:20:34,400

and we have a tele a video conference

484

00:20:37,990 --> 00:20:36,000

once a week and so

485

00:20:44,390 --> 00:20:38,000

so technology has certainly helped us to

486

00:20:49,190 --> 00:20:46,710

hi my name is eric and my question is

487

00:20:51,510 --> 00:20:49,200

for scott of all the freeze-dried foods

488

00:20:58,070 --> 00:20:51,520

that you eat which tastes best and which

489

00:21:02,310 --> 00:21:00,390

hmm tough question

490

00:21:08,470 --> 00:21:02,320

i think

491

00:21:09,350 --> 00:21:08,480

the granola it's like breakfast granola

492

00:21:12,950 --> 00:21:09,360

so

493

00:21:17,350 --> 00:21:12,960

i think that one tastes the best which

494

00:21:26,870 --> 00:21:20,310

my favorite is the strawberries the

495

00:21:30,789 --> 00:21:28,870

we just want to say thank you so much

496

00:21:47,510 --> 00:21:30,799

for speaking with us today let's give

497

00:21:53,270 --> 00:21:49,190

station this is houston acr that

498

00:21:56,950 --> 00:21:54,950

you're welcome thank you time for kids