



1
00:00:10,150 --> 00:00:02,230
station this is houston are you ready

2
00:00:13,030 --> 00:00:11,990
cnn this is mission control houston

3
00:00:26,790 --> 00:00:13,040
please call us

4
00:00:31,830 --> 00:00:28,710
uh we hear you loud and clear this

5
00:00:35,750 --> 00:00:33,510
fantastic thank you we are in a

6
00:01:15,590 --> 00:00:35,760
commercial break we will be live in one

7
00:01:15,600 --> 00:01:32,149
35 seconds to live

8
00:01:32,159 --> 00:01:58,469
15 seconds

9
00:02:01,590 --> 00:01:59,749
all right as you know we've been

10
00:02:03,910 --> 00:02:01,600
following astronaut katie coleman's

11
00:02:05,429 --> 00:02:03,920
journey to space this past year she's

12
00:02:07,190 --> 00:02:05,439
been on board the international space

13
00:02:08,389 --> 00:02:07,200

station now for almost four months and

14

00:02:10,309 --> 00:02:08,399

we want to find out what it's like up

15

00:02:12,990 --> 00:02:10,319

there so katie joins us now live from

16

00:02:15,990 --> 00:02:13,000

the international space station

17

00:02:18,470 --> 00:02:16,000

220 miles above the earth along with

18

00:02:21,589 --> 00:02:18,480

commander dmitry kondratyev flight

19

00:02:24,550 --> 00:02:21,599

engineers paolo nespali ron gayran andre

20

00:02:26,470 --> 00:02:24,560

borosenko and alexander samokutya thank

21

00:02:29,030 --> 00:02:26,480

you for joining us it's great to see you

22

00:02:30,710 --> 00:02:29,040

uh katie you you welcomed on uh

23

00:02:32,070 --> 00:02:30,720

wednesday evening i don't know how you

24

00:02:34,229 --> 00:02:32,080

guys keep time up there but on wednesday

25

00:02:35,830 --> 00:02:34,239

evening you welcome some new guests uh

26
00:02:37,030 --> 00:02:35,840
to the international space station tell

27
00:02:40,229 --> 00:02:37,040
us about that and how it's going up

28
00:02:45,110 --> 00:02:42,550
you know it is so nice to have these

29
00:02:46,790 --> 00:02:45,120
guys up here i think when we when we're

30
00:02:48,390 --> 00:02:46,800
up here for a long time we actually

31
00:02:50,710 --> 00:02:48,400
begin to take it just a little bit for

32
00:02:52,470 --> 00:02:50,720
granted and when new people come and and

33
00:02:54,550 --> 00:02:52,480
they're so excited about being here and

34
00:02:56,630 --> 00:02:54,560
it reminds us of all the things that are

35
00:02:59,190 --> 00:02:56,640
just unique looking out the window

36
00:03:00,710 --> 00:02:59,200
floating and uh and just loving every

37
00:03:03,350 --> 00:03:00,720
minute of living almost on a different

38
00:03:07,110 --> 00:03:04,790

my next question is to flight engineer

39

00:03:08,869 --> 00:03:07,120

ron garan i want to ask you

40

00:03:10,550 --> 00:03:08,879

about a warning that we heard last week

41

00:03:12,710 --> 00:03:10,560

that the you know headlines maybe there

42

00:03:13,990 --> 00:03:12,720

was a piece of space junk that you guys

43

00:03:15,830 --> 00:03:14,000

were on the lookout for for the

44

00:03:17,509 --> 00:03:15,840

international space station

45

00:03:20,070 --> 00:03:17,519

at first nasa warned of a potential

46

00:03:21,750 --> 00:03:20,080

evacuation but clearly nothing nothing

47

00:03:26,869 --> 00:03:21,760

came of that you get a little nervous up

48

00:03:31,190 --> 00:03:28,789

well no we've got many people on the

49

00:03:33,030 --> 00:03:31,200

ground that track all that and so they

50

00:03:35,430 --> 00:03:33,040

they keep us advised when anything gets

51
00:03:37,830 --> 00:03:35,440
close and we have procedures we could

52
00:03:40,309 --> 00:03:37,840
take shelter in our soyuz spacecraft if

53
00:03:42,070 --> 00:03:40,319
if something gets too close or if need

54
00:03:44,710 --> 00:03:42,080
be we can move the station we can boost

55
00:03:46,710 --> 00:03:44,720
it to a higher higher orbit or you know

56
00:03:50,949 --> 00:03:46,720
do other maneuvers to get out of the way

57
00:03:54,789 --> 00:03:53,030
katie i want to ask you about this uh

58
00:03:56,070 --> 00:03:54,799
flute duet that we we saw a little bit

59
00:03:57,670 --> 00:03:56,080
of our viewers saw a little bit of we'll

60
00:03:59,589 --> 00:03:57,680
show them a little bit more but you

61
00:04:03,350 --> 00:03:59,599
recently made history by playing the

62
00:04:05,030 --> 00:04:03,360
first ever space earth flute duet you

63
00:04:06,630 --> 00:04:05,040

did it with the ian anderson of jethro

64

00:04:08,229 --> 00:04:06,640

tull this is fascinating i don't know

65

00:04:12,309 --> 00:04:08,239

how you work that all out but tell us

66

00:04:15,670 --> 00:04:13,830

well there's a delay in the

67

00:04:16,870 --> 00:04:15,680

communication which makes it actually

68

00:04:19,349 --> 00:04:16,880

quite uh

69

00:04:21,909 --> 00:04:19,359

challenging for us and uh and so what we

70

00:04:23,990 --> 00:04:21,919

had to do was he recorded on the ground

71

00:04:25,670 --> 00:04:24,000

the the bass track you know the sort of

72

00:04:27,830 --> 00:04:25,680

the the guitar rhythm and things like

73

00:04:29,990 --> 00:04:27,840

that and we agreed what we would play

74

00:04:30,870 --> 00:04:30,000

and then i recorded to that track up

75

00:04:36,390 --> 00:04:30,880

here

76

00:04:39,430 --> 00:04:36,400

uh he's actually playing these in uh

77

00:04:41,350 --> 00:04:39,440

concerts in russia this week where he he

78

00:04:43,510 --> 00:04:41,360

sees me on the video and playing and he

79

00:04:45,510 --> 00:04:43,520

plays along with me so it's the way that

80

00:04:47,510 --> 00:04:45,520

we worked out to uh play together and i

81

00:04:49,830 --> 00:04:47,520

think it just shows that music is

82

00:04:51,749 --> 00:04:49,840

universal and that real people live up

83

00:04:53,189 --> 00:04:51,759

here and we we have hobbies and things

84

00:04:55,350 --> 00:04:53,199

that we love just like people down on

85

00:04:56,950 --> 00:04:55,360

earth

86

00:04:58,710 --> 00:04:56,960

uh it's truly amazing that we're even

87

00:05:00,629 --> 00:04:58,720

speaking to you uh all flight engineer

88

00:05:02,629 --> 00:05:00,639

paolo nispoli i wanted to ask you that

89

00:05:05,110 --> 00:05:02,639

um you know last tuesday was the 50th

90

00:05:07,430 --> 00:05:05,120

anniversary of uh of man's first journey

91

00:05:09,510 --> 00:05:07,440

into space the 30th anniversary of the

92

00:05:11,110 --> 00:05:09,520

first space shuttle launch what does it

93

00:05:13,590 --> 00:05:11,120

all mean to you guys to be up there

94

00:05:15,670 --> 00:05:13,600

together from different countries

95

00:05:23,189 --> 00:05:15,680

astronauts and cosmonauts who are you

96

00:05:27,990 --> 00:05:25,189

well uh the month of april it's a very

97

00:05:29,189 --> 00:05:28,000

important month it's also my birthday so

98

00:05:30,310 --> 00:05:29,199

but

99

00:05:32,469 --> 00:05:30,320

um

100

00:05:36,150 --> 00:05:32,479

no it's uh

101
00:05:39,749 --> 00:05:36,160
50 years ago 50 years ago uh

102
00:05:41,670 --> 00:05:39,759
the human kind kind of leap forward

103
00:05:43,510 --> 00:05:41,680
outside of this world

104
00:05:44,550 --> 00:05:43,520
and uh and the

105
00:05:51,189 --> 00:05:44,560
the

106
00:05:53,510 --> 00:05:51,199
us and

107
00:05:56,469 --> 00:05:53,520
pushes us forward this is one of our the

108
00:05:59,110 --> 00:05:56,479
things that we do and we do best

109
00:06:02,150 --> 00:05:59,120
it's uh it's really interesting how all

110
00:06:05,189 --> 00:06:02,160
together we can feel like a

111
00:06:06,950 --> 00:06:05,199
a human race not anymore any single

112
00:06:09,110 --> 00:06:06,960
country and it's very nice and

113
00:06:12,070 --> 00:06:09,120

fascinating and all these countries up

114

00:06:14,390 --> 00:06:12,080

here on the station but also and uh

115

00:06:17,749 --> 00:06:14,400

overall underground can work together

116

00:06:20,790 --> 00:06:17,759

and build something then transcend uh

117

00:06:24,469 --> 00:06:20,800

boundaries and societies and pushes us

118

00:06:27,909 --> 00:06:26,230

hey flight engineer ron garan there are

119

00:06:29,110 --> 00:06:27,919

a lot of a lot of parents watching us

120

00:06:31,189 --> 00:06:29,120

right now in the morning getting ready

121

00:06:33,350 --> 00:06:31,199

for work and their kids are no different

122

00:06:34,629 --> 00:06:33,360

than we were as kids saying that they

123

00:06:36,230 --> 00:06:34,639

wanted to go into space and become

124

00:06:38,070 --> 00:06:36,240

astronauts but the space program is

125

00:06:39,909 --> 00:06:38,080

changing so much pretty soon it'll be

126

00:06:41,029 --> 00:06:39,919

commercial vessels uh shuttling

127

00:06:43,189 --> 00:06:41,039

astronauts to things like the

128

00:06:45,029 --> 00:06:43,199

international space station uh can kids

129

00:06:47,110 --> 00:06:45,039

still dream of being astronauts and what

130

00:06:49,029 --> 00:06:47,120

will it be like 20 years from now what

131

00:06:53,189 --> 00:06:49,039

will what will kids who decide to be

132

00:06:56,950 --> 00:06:55,029

yeah of course uh kids can still dream

133

00:06:58,390 --> 00:06:56,960

of becoming astronauts and you know

134

00:07:00,469 --> 00:06:58,400

hopefully you know what we're trying to

135

00:07:01,909 --> 00:07:00,479

do is you know nasa and the other

136

00:07:03,430 --> 00:07:01,919

government agencies want to get out of

137

00:07:05,430 --> 00:07:03,440

the business of low earth orbit and we

138

00:07:06,790 --> 00:07:05,440

want to go beyond that we want to

139

00:07:08,790 --> 00:07:06,800

explore further and further into the

140

00:07:10,550 --> 00:07:08,800

solar system and that's what you know

141

00:07:12,390 --> 00:07:10,560

the big organizations big governmental

142

00:07:14,710 --> 00:07:12,400

organizations do best they can push the

143

00:07:16,550 --> 00:07:14,720

engine off of the envelope and that's

144

00:07:19,189 --> 00:07:16,560

what i i see you know the astronauts in

145

00:07:21,909 --> 00:07:19,199

the future doing and just as you said

146

00:07:23,510 --> 00:07:21,919

you know hopefully very soon

147

00:07:24,870 --> 00:07:23,520

going to low-earth orbit will be no

148

00:07:26,710 --> 00:07:24,880

different than getting on an airplane

149

00:07:28,469 --> 00:07:26,720

and flying to a different country or you

150

00:07:30,309 --> 00:07:28,479

know flying somewhere uh else in the

151
00:07:32,150 --> 00:07:30,319
world it'll be commonplace and so

152
00:07:34,230 --> 00:07:32,160
hopefully when that happens you know we

153
00:07:35,670 --> 00:07:34,240
will see further and further exploration

154
00:07:37,510 --> 00:07:35,680
and we'll always have room you know the

155
00:07:41,029 --> 00:07:37,520
universe is a really big place so we'll

156
00:07:45,350 --> 00:07:42,710
good well you guys stay safe up there

157
00:07:48,150 --> 00:07:45,360
great talking to you ron katie paolo

158
00:07:50,070 --> 00:07:48,160
dimitri andre and alexander good luck up

159
00:07:56,550 --> 00:07:50,080
there bye everybody

160
00:08:01,189 --> 00:07:58,869
station this is houston acr that

161
00:08:02,869 --> 00:08:01,199
concludes the cnn portion of the event

162
00:08:06,629 --> 00:08:02,879
please stand by for a voice check from

163
00:08:12,629 --> 00:08:08,309

station this is the new york times how

164

00:08:15,589 --> 00:08:14,309

we have you loud and clear

165

00:08:18,230 --> 00:08:15,599

great thank you

166

00:08:20,550 --> 00:08:18,240

um so my first question is for everyone

167

00:08:22,469 --> 00:08:20,560

it's sort of a big picture question

168

00:08:24,550 --> 00:08:22,479

um today is of course the 50th

169

00:08:25,830 --> 00:08:24,560

anniversary of yuri gagarin's flight and

170

00:08:27,029 --> 00:08:25,840

the 30th anniversary of their first

171

00:08:28,390 --> 00:08:27,039

shuttle flight

172

00:08:30,390 --> 00:08:28,400

today is also the day that charlie

173

00:08:32,230 --> 00:08:30,400

bolden the national administrator will

174

00:08:34,230 --> 00:08:32,240

announce which museums the shuttles will

175

00:08:36,630 --> 00:08:34,240

end up after they're retired

176

00:08:38,469 --> 00:08:36,640

um space exploration seems to slow down

177

00:08:39,589 --> 00:08:38,479

and it's not as much at the forefront

178

00:08:41,670 --> 00:08:39,599

and i was wondering if you all could

179

00:08:43,029 --> 00:08:41,680

reflect on the last 50 years

180

00:08:44,470 --> 00:08:43,039

and talk about your role in the space

181

00:08:52,710 --> 00:08:44,480

station in the history of humanity

182

00:08:58,470 --> 00:08:55,350

well today we're recognizing the fact

183

00:09:01,670 --> 00:08:58,480

that 50 years ago humankind first left

184

00:09:03,829 --> 00:09:01,680

our planet to explore beyond the earth

185

00:09:05,509 --> 00:09:03,839

and it's just the first step and what's

186

00:09:07,750 --> 00:09:05,519

interesting to me is that these these

187

00:09:09,910 --> 00:09:07,760

very big first steps like the ones we're

188

00:09:11,829 --> 00:09:09,920

celebrating here in april are are

189

00:09:13,990 --> 00:09:11,839

actually made up of very of lots and

190

00:09:16,470 --> 00:09:14,000

lots of very small steps and without the

191

00:09:17,269 --> 00:09:16,480

small steps there are no big steps and

192

00:09:19,750 --> 00:09:17,279

uh

193

00:09:21,590 --> 00:09:19,760

the fact that now we live on on the

194

00:09:23,509 --> 00:09:21,600

space station together the six of us and

195

00:09:25,030 --> 00:09:23,519

that it seems a little bit normal to us

196

00:09:27,269 --> 00:09:25,040

and our families that we're going to

197

00:09:28,310 --> 00:09:27,279

spend six months up here to me that

198

00:09:29,910 --> 00:09:28,320

means that

199

00:09:32,470 --> 00:09:29,920

we've taken something that's a very

200

00:09:34,389 --> 00:09:32,480

large step and it becomes a small step

201
00:09:35,190 --> 00:09:34,399
and so i'm looking forward to the future

202
00:09:36,710 --> 00:09:35,200
when

203
00:09:38,310 --> 00:09:36,720
you know we we use the things that we're

204
00:09:41,829 --> 00:09:38,320
learning here on the international space

205
00:09:43,750 --> 00:09:41,839
station to be able to proceed safely and

206
00:09:46,230 --> 00:09:43,760
knowing what we're doing out to places

207
00:09:51,750 --> 00:09:46,240
like the moon and to mars and to explore

208
00:09:54,389 --> 00:09:52,949
okay um

209
00:09:56,150 --> 00:09:54,399
this is again for a question for anyone

210
00:09:58,070 --> 00:09:56,160
who wants to take it what's a typical

211
00:10:06,310 --> 00:09:58,080
day like like what's a typical day like

212
00:10:10,470 --> 00:10:08,389
well uh we have been here

213
00:10:13,430 --> 00:10:10,480

uh four months and i don't think we had

214

00:10:16,470 --> 00:10:13,440

a typical day as yet

215

00:10:19,430 --> 00:10:16,480

i mean normally we wake up around uh six

216

00:10:20,949 --> 00:10:19,440

6 30 have a first uh talk to the ground

217

00:10:23,190 --> 00:10:20,959

around 7 30

218

00:10:25,430 --> 00:10:23,200

and then we work all the way to 7 30 in

219

00:10:28,389 --> 00:10:25,440

the evening with a break for lunch

220

00:10:31,829 --> 00:10:28,399

um and we can do in during the working

221

00:10:35,190 --> 00:10:31,839

day we can do all sort of uh thanks

222

00:10:37,990 --> 00:10:35,200

usually about 50 percent of the time is

223

00:10:39,350 --> 00:10:38,000

spent in maintaining the spacecraft

224

00:10:40,150 --> 00:10:39,360

space station

225

00:10:42,949 --> 00:10:40,160

uh

226

00:10:47,110 --> 00:10:42,959

30 percent around 30 percent doing a

227

00:10:50,389 --> 00:10:47,120

science of experiment and uh the rest uh

228

00:10:51,829 --> 00:10:50,399

for uh physical fitness and uh little

229

00:10:53,910 --> 00:10:51,839

other things that we need to do around

230

00:10:55,670 --> 00:10:53,920

the station here so that's uh that's

231

00:10:57,509 --> 00:10:55,680

your typical day but

232

00:10:59,269 --> 00:10:57,519

but it's really different i mean one day

233

00:11:01,590 --> 00:10:59,279

can be dedicated to

234

00:11:03,990 --> 00:11:01,600

planning for a spacewalk the other day

235

00:11:05,110 --> 00:11:04,000

it's a big day for an experiment going a

236

00:11:06,790 --> 00:11:05,120

third day

237

00:11:08,630 --> 00:11:06,800

something breaks and everybody has to

238

00:11:10,790 --> 00:11:08,640

fix that thing otherwise we cannot keep

239

00:11:12,870 --> 00:11:10,800

going so it's very interesting and of

240

00:11:15,110 --> 00:11:12,880

course once in a while we stop a little

241

00:11:16,630 --> 00:11:15,120

bit and try to look outside and enjoy

242

00:11:18,230 --> 00:11:16,640

our planet

243

00:11:22,630 --> 00:11:18,240

okay

244

00:11:25,750 --> 00:11:24,150

i was just going to add that you know

245

00:11:27,829 --> 00:11:25,760

the looking outside and enjoying the

246

00:11:29,750 --> 00:11:27,839

planet sometimes we get really busy

247

00:11:31,590 --> 00:11:29,760

inside and in fact to make sure that we

248

00:11:32,870 --> 00:11:31,600

i get everything done inside sometimes i

249

00:11:36,069 --> 00:11:32,880

just think you know i'm not gonna look

250

00:11:38,470 --> 00:11:36,079

out the window but it is uh it is so

251

00:11:39,910 --> 00:11:38,480

almost addicting and just a tangible

252

00:11:41,509 --> 00:11:39,920

thing where you just you look out the

253

00:11:44,069 --> 00:11:41,519

window you see the earth and it just

254

00:11:46,870 --> 00:11:44,079

does something to your whole self and

255

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

it's really hard not to do and i think i

256

00:11:50,310 --> 00:11:48,240

in fact i know i would get a lot more

257

00:11:51,910 --> 00:11:50,320

sleep up here if we didn't have the

258

00:11:54,389 --> 00:11:51,920

ability to look down at the earth

259

00:11:56,069 --> 00:11:54,399

because it is so so beautiful and

260

00:11:57,990 --> 00:11:56,079

absolutely fascinating i mean if you

261

00:11:59,750 --> 00:11:58,000

look with a long lens you can actually

262

00:12:05,670 --> 00:11:59,760

see details of what's going on in the

263

00:12:22,829 --> 00:12:07,590

um what's most unexpected thing you've

264

00:12:28,710 --> 00:12:25,990

well one of the things is that you you

265

00:12:30,629 --> 00:12:28,720

get up here and you tend to do things

266

00:12:33,750 --> 00:12:30,639

the way you do it on earth

267

00:12:35,829 --> 00:12:33,760

and uh and so you start placing your

268

00:12:38,150 --> 00:12:35,839

stuff start working and things don't

269

00:12:40,470 --> 00:12:38,160

work i mean microgravity is a really

270

00:12:43,269 --> 00:12:40,480

weird environment and one of the things

271

00:12:45,030 --> 00:12:43,279

that really struck me is that

272

00:12:47,750 --> 00:12:45,040

you have two hands and you can track

273

00:12:49,990 --> 00:12:47,760

only few items two or three items no

274

00:12:52,389 --> 00:12:50,000

more because that's what you can hold

275

00:12:53,910 --> 00:12:52,399

and and everything else floats away so

276

00:12:55,750 --> 00:12:53,920

you're in the middle of doing something

277

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

and you're missing pieces and you cannot

278

00:13:00,470 --> 00:12:58,720

find things anymore suddenly you have uh

279

00:13:02,230 --> 00:13:00,480

i mean you have something one moment and

280

00:13:03,990 --> 00:13:02,240

you don't find it anymore and of course

281

00:13:05,829 --> 00:13:04,000

on the ground you can hear them falling

282

00:13:07,829 --> 00:13:05,839

on the floor here you don't hear

283

00:13:09,030 --> 00:13:07,839

anything they just float away and they

284

00:13:11,190 --> 00:13:09,040

disappear

285

00:13:12,949 --> 00:13:11,200

it's kind of funny because you know you

286

00:13:14,870 --> 00:13:12,959

don't see them you look around cannot

287

00:13:16,389 --> 00:13:14,880

find them and then five minutes later

288

00:13:17,269 --> 00:13:16,399

you turn around and it's sitting here

289

00:13:21,990 --> 00:13:17,279

this

290

00:13:23,990 --> 00:13:22,000

here besides you and you've been looking

291

00:13:26,870 --> 00:13:24,000

for it for 15 minutes

292

00:13:30,069 --> 00:13:26,880

um another thing uh very quickly we we

293

00:13:34,629 --> 00:13:30,079

we had a table here and where we

294

00:13:36,230 --> 00:13:34,639

would eat all together uh and and we had

295

00:13:37,910 --> 00:13:36,240

we had a problem because the table was

296

00:13:41,110 --> 00:13:37,920

kind of put in a flat position and we

297

00:13:43,189 --> 00:13:41,120

cannot all fit and it took us really uh

298

00:13:45,189 --> 00:13:43,199

several weeks before we figured out that

299

00:13:47,990 --> 00:13:45,199

we could tilt the table and make it

300

00:13:49,670 --> 00:13:48,000

almost vertical so it's in front of us

301
00:13:51,430 --> 00:13:49,680
because here things don't fall off the

302
00:13:53,670 --> 00:13:51,440
table they just stay there actually you

303
00:13:55,670 --> 00:13:53,680
have to you have to velcro them to the

304
00:13:57,910 --> 00:13:55,680
table otherwise they don't stay at all

305
00:14:00,389 --> 00:13:57,920
and and this concept here takes time

306
00:14:04,150 --> 00:14:00,399
before it settles in but when it settles

307
00:14:07,829 --> 00:14:05,509
the next question is for catherine

308
00:14:08,949 --> 00:14:07,839
coleman you're coming back to earth next

309
00:14:15,030 --> 00:14:08,959
month have you thought about what you'll

310
00:14:19,990 --> 00:14:18,150
well i would say no you know i've been

311
00:14:22,310 --> 00:14:20,000
so involved in being here and besides

312
00:14:24,710 --> 00:14:22,320
just getting back to my family and

313
00:14:25,990 --> 00:14:24,720

uh you know seeing my son and my husband

314

00:14:27,910 --> 00:14:26,000

and and

315

00:14:29,990 --> 00:14:27,920

maybe just uh asparagus season in

316

00:14:32,550 --> 00:14:30,000

massachusetts i'm looking forward to i

317

00:14:34,710 --> 00:14:32,560

hadn't really thought really further

318

00:14:37,750 --> 00:14:34,720

past the debriefings that we do when we

319

00:14:38,949 --> 00:14:37,760

get home we we like to take a lot of

320

00:14:40,629 --> 00:14:38,959

notes and

321

00:14:42,870 --> 00:14:40,639

and try to think of things that could

322

00:14:45,269 --> 00:14:42,880

make getting ready for the space station

323

00:14:46,870 --> 00:14:45,279

more efficient or even operating the

324

00:14:48,389 --> 00:14:46,880

space station more efficient and when we

325

00:14:50,069 --> 00:14:48,399

come home we spend several weeks

326

00:14:51,750 --> 00:14:50,079

actually talking with all the different

327

00:14:53,509 --> 00:14:51,760

disciplines about what our experience

328

00:14:54,870 --> 00:14:53,519

was really like because that's one of

329

00:14:56,310 --> 00:14:54,880

the challenges that we have up here is

330

00:14:58,230 --> 00:14:56,320

that we have our own little world but

331

00:15:00,629 --> 00:14:58,240

often it's hard to communicate what life

332

00:15:02,389 --> 00:15:00,639

is really up like for us to the people

333

00:15:04,389 --> 00:15:02,399

on the ground who are actually

334

00:15:06,310 --> 00:15:04,399

organizing our life and directing all

335

00:15:08,470 --> 00:15:06,320

the tasks that need to be done and so

336

00:15:10,710 --> 00:15:08,480

our job is to communicate to them you

337

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

know what life is like so that they can

338

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

most effectively

339

00:15:15,269 --> 00:15:13,920

give us the plan because they're the

340

00:15:17,590 --> 00:15:15,279

ones who have the knowledge to make the

341

00:15:18,949 --> 00:15:17,600

plan

342

00:15:23,990 --> 00:15:18,959

will you be looking to sign up for

343

00:15:28,150 --> 00:15:26,310

i would i would love another trip to iss

344

00:15:30,150 --> 00:15:28,160

and i'm actually not you said a month i

345

00:15:32,389 --> 00:15:30,160

thought oh no only a month i'm just not

346

00:15:33,110 --> 00:15:32,399

quite ready to come home

347

00:15:35,590 --> 00:15:33,120

okay

348

00:15:37,590 --> 00:15:35,600

um this is for ron garan i know he got

349

00:15:38,629 --> 00:15:37,600

there but i guess the same question

350

00:15:40,550 --> 00:15:38,639

um

351

00:15:42,790 --> 00:15:40,560

we'll be looking to another trip on the

352

00:15:47,350 --> 00:15:42,800

to iss do something else in nasa or look

353

00:15:50,710 --> 00:15:49,350

yeah well i i just got here so you

354

00:15:53,189 --> 00:15:50,720

probably need to ask me in about five

355

00:15:55,030 --> 00:15:53,199

months but i i think what my answer will

356

00:15:56,629 --> 00:15:55,040

be is if i'm needed to i think you know

357

00:15:58,870 --> 00:15:56,639

we've got a long list of people who

358

00:16:00,790 --> 00:15:58,880

haven't had this experience yet so

359

00:16:02,470 --> 00:16:00,800

uh if if there was a need for me to do

360

00:16:04,710 --> 00:16:02,480

it certainly i would i would

361

00:16:06,470 --> 00:16:04,720

love to do that again but i also you

362

00:16:11,269 --> 00:16:06,480

know we need to we need to spread the

363

00:16:17,110 --> 00:16:12,790

and

364

00:16:18,470 --> 00:16:17,120

given that there's no longer going to be

365

00:16:19,910 --> 00:16:18,480

shuttle and there's fewer people going

366

00:16:22,389 --> 00:16:19,920

to the station

367

00:16:27,990 --> 00:16:22,399

or into space i do you still encourage

368

00:16:32,710 --> 00:16:29,910

yeah i um you know we do a lot of

369

00:16:34,470 --> 00:16:32,720

speaking to um to various groups

370

00:16:36,550 --> 00:16:34,480

including a lot of children and you know

371

00:16:37,990 --> 00:16:36,560

what i always tell them is to to

372

00:16:40,710 --> 00:16:38,000

that they can achieve whatever it is

373

00:16:41,990 --> 00:16:40,720

they set their mind to and if that is

374

00:16:43,910 --> 00:16:42,000

you know to become an astronaut then

375

00:16:45,509 --> 00:16:43,920

yeah of course and you know we are

376

00:16:47,430 --> 00:16:45,519

retiring the space shuttle but we are

377

00:16:48,710 --> 00:16:47,440

going to have something down the line we

378

00:16:50,069 --> 00:16:48,720

are going to continue we're not giving

379

00:16:52,150 --> 00:16:50,079

up on exploration there's always going

380

00:16:54,310 --> 00:16:52,160

to be uh somewhere to explore there's

381

00:16:56,870 --> 00:16:54,320

always going to be a need for that and

382

00:16:59,430 --> 00:16:56,880

if if you know kids have you know they

383

00:17:01,030 --> 00:16:59,440

naturally have that you know exploration

384

00:17:03,189 --> 00:17:01,040

uh

385

00:17:05,029 --> 00:17:03,199

mindset and so you know that's something

386

00:17:07,270 --> 00:17:05,039

that we can it should encourage and we

387

00:17:09,189 --> 00:17:07,280

should nurture and you know hopefully

388

00:17:09,990 --> 00:17:09,199

they carry that through their adulthood

389

00:17:12,230 --> 00:17:10,000

and

390

00:17:13,750 --> 00:17:12,240

um if if they would like to to become

391

00:17:16,150 --> 00:17:13,760

astronauts that's certainly within the

392

00:17:18,390 --> 00:17:16,160

realm of possibilities

393

00:17:20,069 --> 00:17:18,400

okay uh this is my last question and for

394

00:17:21,669 --> 00:17:20,079

anyone and everyone

395

00:17:35,669 --> 00:17:21,679

what will you miss most when you leave

396

00:17:40,549 --> 00:17:38,390

now i i will miss the the floating and

397

00:17:42,310 --> 00:17:40,559

just uh as paulo was explaining you know

398

00:17:45,350 --> 00:17:42,320

learning to adapt to this environment

399

00:17:47,190 --> 00:17:45,360

and and just uh how to get from place to

400

00:17:49,270 --> 00:17:47,200

place uh you know when we're first here

401
00:17:51,029 --> 00:17:49,280
we sort of grab onto things and move

402
00:17:52,710 --> 00:17:51,039
ourselves around and once we get used to

403
00:17:54,390 --> 00:17:52,720
the place then it just takes the touch

404
00:17:56,950 --> 00:17:54,400
of a finger to send you directly to

405
00:17:59,510 --> 00:17:56,960
where you want to go and and it's just

406
00:18:02,630 --> 00:17:59,520
this delicious you know fascinating

407
00:18:04,310 --> 00:18:02,640
feeling like peter peter pan and i will

408
00:18:06,950 --> 00:18:04,320
miss uh just

409
00:18:15,830 --> 00:18:06,960
living and sort of moving in in a unique

410
00:18:15,840 --> 00:18:22,070
great thank you all