



1
00:00:03,280 --> 00:00:06,309
ready for the event

2
00:00:11,830 --> 00:00:08,950
jscpio this is mission control houston

3
00:00:13,910 --> 00:00:11,840
please call station 4 voice check

4
00:00:17,269 --> 00:00:13,920
station this is johnson pao how do you

5
00:00:20,950 --> 00:00:19,189
i have you loud and clear

6
00:00:22,790 --> 00:00:20,960
go ahead

7
00:00:26,150 --> 00:00:22,800
good morning scott this is mark caro

8
00:00:27,750 --> 00:00:26,160
from aviation week in space technology

9
00:00:29,589 --> 00:00:27,760
i'd like to ask you what would you like

10
00:00:31,830 --> 00:00:29,599
the legacy of the flight that you and

11
00:00:33,910 --> 00:00:31,840
mikhail are about to wrap up what would

12
00:00:38,229 --> 00:00:33,920
you like the legacy of that to be for us

13
00:00:41,670 --> 00:00:40,470

good to hear from you mark um you know

14

00:00:43,510 --> 00:00:41,680

i'd like to

15

00:00:44,549 --> 00:00:43,520

for the legacy of this flight to be that

16

00:00:46,549 --> 00:00:44,559

we can

17

00:00:48,069 --> 00:00:46,559

decide to do hard things and hard things

18

00:00:50,790 --> 00:00:48,079

that will take us further away from the

19

00:00:53,830 --> 00:00:50,800

earth and this is one of them and

20

00:00:56,150 --> 00:00:53,840

you know i'm i'm hopeful and i think

21

00:00:58,630 --> 00:00:56,160

we'll learn a lot about longer duration

22

00:01:00,549 --> 00:00:58,640

space flight and and how that will take

23

00:01:03,270 --> 00:01:00,559

us to mars someday so i'd like to think

24

00:01:05,429 --> 00:01:03,280

that this is a another of many stepping

25

00:01:08,469 --> 00:01:05,439

stones to us landing on mars sometime in

26
00:01:13,270 --> 00:01:11,030
hey scott eric berger with ours technica

27
00:01:14,390 --> 00:01:13,280
hope you're doing well um

28
00:01:15,830 --> 00:01:14,400
you've been up there for almost a year

29
00:01:17,270 --> 00:01:15,840
now i'm wondering if you maybe could

30
00:01:20,789 --> 00:01:17,280
reflect a little bit on valerie

31
00:01:21,910 --> 00:01:20,799
polyelkoff and kind of you know

32
00:01:23,749 --> 00:01:21,920
now that you've been up there for so

33
00:01:27,910 --> 00:01:23,759
long and are you ready to go another 100

34
00:01:30,789 --> 00:01:29,109
so

35
00:01:33,270 --> 00:01:30,799
um you know i think it's a little bit of

36
00:01:36,710 --> 00:01:33,280
a different experience being on on this

37
00:01:38,390 --> 00:01:36,720
space station versus mirror we have uh

38
00:01:40,550 --> 00:01:38,400

uh you know better

39

00:01:42,630 --> 00:01:40,560

connectivity with people on the ground

40

00:01:44,310 --> 00:01:42,640

um you know i think the environment is a

41

00:01:46,230 --> 00:01:44,320

little bit more comfortable

42

00:01:48,870 --> 00:01:46,240

um and

43

00:01:51,030 --> 00:01:48,880

so you know i really respect what he did

44

00:01:53,429 --> 00:01:51,040

back then uh obviously

45

00:01:56,310 --> 00:01:53,439

and uh yeah i could go in another 100

46

00:01:58,230 --> 00:01:56,320

days i could go another year if i had to

47

00:01:59,190 --> 00:01:58,240

it would just depend on on what i was

48

00:02:01,910 --> 00:01:59,200

doing

49

00:02:03,429 --> 00:02:01,920

and if it if it made sense although i do

50

00:02:07,109 --> 00:02:03,439

look forward to getting home here next

51
00:02:10,309 --> 00:02:08,550
hi scott robert perlman with

52
00:02:12,229 --> 00:02:10,319
collectspace.com

53
00:02:13,910 --> 00:02:12,239
um now you're getting ready to go home

54
00:02:16,309 --> 00:02:13,920
have you packed a specific item for

55
00:02:17,670 --> 00:02:16,319
yourself as a memento of a year in space

56
00:02:19,190 --> 00:02:17,680
or if not is there something that you

57
00:02:20,710 --> 00:02:19,200
wish you could bring home from the space

58
00:02:25,510 --> 00:02:20,720
station as

59
00:02:29,830 --> 00:02:26,949
you know i

60
00:02:32,470 --> 00:02:29,840
don't look at souvenirs

61
00:02:34,710 --> 00:02:32,480
that have flown in space the same

62
00:02:37,750 --> 00:02:34,720
that other people do only because you

63
00:02:40,229 --> 00:02:37,760

know i've been in space so many times so

64

00:02:41,910 --> 00:02:40,239

i don't put the same sentimental value

65

00:02:43,509 --> 00:02:41,920

on on those kind of things as other

66

00:02:45,750 --> 00:02:43,519

people do i absolutely understand why

67

00:02:47,430 --> 00:02:45,760

other other people do um

68

00:02:49,990 --> 00:02:47,440

you know and i respect that but the fact

69

00:02:50,949 --> 00:02:50,000

that i've been here you know four times

70

00:02:53,030 --> 00:02:50,959

and for

71

00:02:55,190 --> 00:02:53,040

you know well over 500 days it doesn't

72

00:02:57,190 --> 00:02:55,200

have the same meaning to me

73

00:02:59,830 --> 00:02:57,200

um so

74

00:03:01,270 --> 00:02:59,840

i really don't have anything personal

75

00:03:02,949 --> 00:03:01,280

for myself

76

00:03:05,270 --> 00:03:02,959

that i've flown

77

00:03:06,949 --> 00:03:05,280

uh i have a stuff that other people have

78

00:03:10,710 --> 00:03:06,959

given me and i look forward to returning

79

00:03:14,550 --> 00:03:13,270

hey scott this is jake reiner with kprc

80

00:03:16,949 --> 00:03:14,560

channel 2.

81

00:03:20,149 --> 00:03:16,959

for those of us that have never been in

82

00:03:22,309 --> 00:03:20,159

space can you kind of put in put into

83

00:03:25,589 --> 00:03:22,319

words what this experience has been like

84

00:03:30,789 --> 00:03:25,599

for you and how can you compare life in

85

00:03:37,670 --> 00:03:32,630

you know it's a you know the space

86

00:03:43,670 --> 00:03:40,869

an incredible science facility we have

87

00:03:45,509 --> 00:03:43,680

uh it's a privilege to

88

00:03:47,589 --> 00:03:45,519

to fly here and it's something that i

89

00:03:49,350 --> 00:03:47,599

hope more people will have the

90

00:03:51,430 --> 00:03:49,360

opportunity

91

00:03:52,949 --> 00:03:51,440

to do in the future and you know i think

92

00:03:54,869 --> 00:03:52,959

we will um

93

00:03:57,990 --> 00:03:54,879

it's just a matter of it's just a matter

94

00:04:04,550 --> 00:03:59,429

i'm not sure if you had another part to

95

00:04:09,270 --> 00:04:06,710

to people that have never been in space

96

00:04:12,070 --> 00:04:09,280

what what is what is it what is it what

97

00:04:14,390 --> 00:04:12,080

is it like if you could compare it to

98

00:04:17,430 --> 00:04:14,400

everyday life we have here on planet

99

00:04:22,310 --> 00:04:19,349

you know somewhat of a harsh environment

100

00:04:23,990 --> 00:04:22,320

uh you know you never even after you

101
00:04:24,790 --> 00:04:24,000
know i've been here nearly a year you

102
00:04:25,909 --> 00:04:24,800
don't

103
00:04:29,270 --> 00:04:25,919
feel

104
00:04:31,670 --> 00:04:29,280
perfectly normal you know there's always

105
00:04:32,469 --> 00:04:31,680
you know a lingering something you feel

106
00:04:37,510 --> 00:04:32,479
or

107
00:04:38,870 --> 00:04:37,520
having said that it's not necessarily

108
00:04:40,550 --> 00:04:38,880
uncomfortable but it is a harsh

109
00:04:41,430 --> 00:04:40,560
environment you know for instance having

110
00:04:45,430 --> 00:04:41,440
no

111
00:04:46,230 --> 00:04:45,440
a i've been in the woods camping for a

112
00:04:48,790 --> 00:04:46,240
year

113
00:04:50,629 --> 00:04:48,800

with regards to like hygiene and you

114

00:04:52,629 --> 00:04:50,639

know it's even more complicated here and

115

00:04:55,430 --> 00:04:52,639

then the fact that everything floats

116

00:04:59,270 --> 00:04:55,440

makes your you know daily life just just

117

00:05:03,990 --> 00:05:01,029

station this is houston acr that

118

00:05:05,590 --> 00:05:04,000

concludes the jsco portion of the event

119

00:05:08,150 --> 00:05:05,600

please stand by for a voice check from

120

00:05:13,510 --> 00:05:08,160

ksc

121

00:05:13,520 --> 00:05:17,909

i have you loud and clear

122

00:05:21,430 --> 00:05:19,510

scott this is marcia dunn of the

123

00:05:22,950 --> 00:05:21,440

associated press

124

00:05:24,950 --> 00:05:22,960

i'd like to know what's taken the

125

00:05:27,189 --> 00:05:24,960

greatest toll on you during the past

126

00:05:35,510 --> 00:05:27,199

year do you think and how might that

127

00:05:40,150 --> 00:05:37,590

you know i marcia i think you know

128

00:05:42,710 --> 00:05:40,160

physically i i feel pretty good and

129

00:05:44,710 --> 00:05:42,720

that's you know very you know kind of a

130

00:05:46,310 --> 00:05:44,720

subjective uh

131

00:05:48,710 --> 00:05:46,320

data point

132

00:05:51,189 --> 00:05:48,720

um you know certainly when we look at

133

00:05:54,310 --> 00:05:51,199

the data you know there might be

134

00:05:56,550 --> 00:05:54,320

um you know effects that uh are more

135

00:05:58,550 --> 00:05:56,560

significant than than

136

00:06:00,950 --> 00:05:58,560

you know how i feel

137

00:06:04,390 --> 00:06:00,960

um but i think the you know the hardest

138

00:06:06,550 --> 00:06:04,400

part is is being isolated uh you know in

139

00:06:09,830 --> 00:06:06,560

a physical sense from from people on the

140

00:06:11,189 --> 00:06:09,840

ground that are important to you and um

141

00:06:12,870 --> 00:06:11,199

you know it's

142

00:06:14,550 --> 00:06:12,880

you know the personal

143

00:06:15,189 --> 00:06:14,560

i don't know if i'd necessarily call it

144

00:06:21,909 --> 00:06:15,199

a

145

00:06:23,990 --> 00:06:21,919

with uh

146

00:06:25,909 --> 00:06:24,000

folks on the ground that you you care

147

00:06:27,909 --> 00:06:25,919

for and love and you know want to spend

148

00:06:30,309 --> 00:06:27,919

time with that i think uh

149

00:06:31,909 --> 00:06:30,319

is is a challenge obviously going to

150

00:06:33,749 --> 00:06:31,919

mars there are a lot of other challenges

151

00:06:37,110 --> 00:06:33,759

but you know none of these we can't

152

00:06:41,350 --> 00:06:39,350

hi scott bill harwood cbs news uh just

153

00:06:43,189 --> 00:06:41,360

kind of following up on that and

154

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

you mentioned yesterday about you know

155

00:06:46,150 --> 00:06:45,039

you're coming to the end of a very long

156

00:06:47,590 --> 00:06:46,160

mission you didn't think it'd be a

157

00:06:49,990 --> 00:06:47,600

problem going to mars you know if you

158

00:06:51,510 --> 00:06:50,000

can come you know conquer the technical

159

00:06:53,110 --> 00:06:51,520

aspects of that but

160

00:06:55,189 --> 00:06:53,120

when you get back in debrief what can

161

00:06:57,189 --> 00:06:55,199

you think of that would make life

162

00:06:58,790 --> 00:06:57,199

better for a long duration crew member

163

00:07:00,230 --> 00:06:58,800

on the way to mars for example or even

164

00:07:01,909 --> 00:07:00,240

on the station

165

00:07:03,830 --> 00:07:01,919

that maybe you didn't have or are there

166

00:07:05,350 --> 00:07:03,840

any things that could be done in how

167

00:07:06,629 --> 00:07:05,360

things are carried out on the station

168

00:07:10,550 --> 00:07:06,639

that make the life better on a long

169

00:07:13,029 --> 00:07:11,510

you know

170

00:07:15,110 --> 00:07:13,039

on a trip to mars we're not going to

171

00:07:18,629 --> 00:07:15,120

have this much space obviously you're

172

00:07:20,150 --> 00:07:18,639

going to be in much tighter quarters

173

00:07:22,070 --> 00:07:20,160

you're going to you know you're going to

174

00:07:25,110 --> 00:07:22,080

live you're going to use the restroom

175

00:07:27,430 --> 00:07:25,120

you're going to exercise all within

176

00:07:29,430 --> 00:07:27,440

you know a few square meters of one

177

00:07:30,469 --> 00:07:29,440

another i assume you know that's

178

00:07:31,830 --> 00:07:30,479

probably

179

00:07:33,749 --> 00:07:31,840

you know it's not going to be like the

180

00:07:35,110 --> 00:07:33,759

science fiction spaceship going to mars

181

00:07:37,189 --> 00:07:35,120

it's going to be something much more

182

00:07:40,070 --> 00:07:37,199

smaller and even though our crew

183

00:07:42,230 --> 00:07:40,080

quarters and our our privacy is

184

00:07:43,830 --> 00:07:42,240

is pretty good and what we have here is

185

00:07:45,909 --> 00:07:43,840

pretty good i think it's going to have

186

00:07:46,790 --> 00:07:45,919

to be a lot lot better you know i've

187

00:07:48,790 --> 00:07:46,800

spent

188

00:07:49,990 --> 00:07:48,800

in the cq i'm looking at the crew

189

00:07:52,070 --> 00:07:50,000

quarters here

190

00:07:54,550 --> 00:07:52,080

probably almost half the time i've been

191

00:07:57,510 --> 00:07:54,560

here between sleeping and working on the

192

00:08:00,390 --> 00:07:57,520

computer i've spent in a basically a box

193

00:08:03,350 --> 00:08:00,400

the size of a a phone booth so making

194

00:08:06,790 --> 00:08:03,360

that you know that private uh that

195

00:08:09,510 --> 00:08:06,800

private area as perfect as possible

196

00:08:11,510 --> 00:08:09,520

i think it will go a long way towards

197

00:08:12,950 --> 00:08:11,520

you know reducing fatigue reducing

198

00:08:15,029 --> 00:08:12,960

stress and

199

00:08:17,270 --> 00:08:15,039

you know helping for a successful

200

00:08:21,510 --> 00:08:17,280

mission from from i think the you know

201
00:08:26,230 --> 00:08:24,550
hey scott phil keating fox news um

202
00:08:28,710 --> 00:08:26,240
interviewed you and your brother back in

203
00:08:29,589 --> 00:08:28,720
february in houston uh it's been a big

204
00:08:32,149 --> 00:08:29,599
year

205
00:08:34,389 --> 00:08:32,159
biggest priority of the experiment is

206
00:08:36,469 --> 00:08:34,399
seeing how the effects of long-term

207
00:08:39,190 --> 00:08:36,479
duration in space

208
00:08:43,269 --> 00:08:39,200
could make more likely or less likely a

209
00:08:45,590 --> 00:08:43,279
trip to far destinations like mars so

210
00:08:47,829 --> 00:08:45,600
based on how you feel physically and

211
00:08:50,230 --> 00:08:47,839
mentally psychologically

212
00:08:52,630 --> 00:08:50,240
what makes you think this is not just a

213
00:08:54,949 --> 00:08:52,640

pipe dream for us to send earthlings to

214

00:08:58,630 --> 00:08:54,959

mars but it it's definitely something we

215

00:09:03,190 --> 00:09:00,310

you know when i look at this space

216

00:09:05,829 --> 00:09:03,200

station and what we've done here

217

00:09:07,350 --> 00:09:05,839

building it by many different nations

218

00:09:09,030 --> 00:09:07,360

using different uh

219

00:09:12,389 --> 00:09:09,040

you know different standards of of

220

00:09:13,750 --> 00:09:12,399

measurement uh in some cases different

221

00:09:14,790 --> 00:09:13,760

languages

222

00:09:17,430 --> 00:09:14,800

putting this

223

00:09:19,269 --> 00:09:17,440

space station together that's uh over a

224

00:09:20,389 --> 00:09:19,279

million pounds the size of a football

225

00:09:23,190 --> 00:09:20,399

field while

226

00:09:25,430 --> 00:09:23,200

flying around the earth at 17 500 miles

227

00:09:27,350 --> 00:09:25,440

an hour and then keeping it occupied for

228

00:09:29,829 --> 00:09:27,360

the last 15 years

229

00:09:32,550 --> 00:09:29,839

i think there's nothing we can't uh

230

00:09:34,710 --> 00:09:32,560

accomplish that we don't uh you know put

231

00:09:37,030 --> 00:09:34,720

our mind and our minds and our resources

232

00:09:38,710 --> 00:09:37,040

behind so you know that

233

00:09:40,870 --> 00:09:38,720

you know after being here for so long

234

00:09:43,190 --> 00:09:40,880

that's one thing i definitely realize

235

00:09:45,269 --> 00:09:43,200

that you know if we can if we can dream

236

00:09:49,110 --> 00:09:45,279

it you know we can do it if we if we

237

00:09:53,110 --> 00:09:50,710

station this is houston acr that

238

00:09:54,870 --> 00:09:53,120

concludes the ksc portion of the event

239

00:09:56,870 --> 00:09:54,880

please stand by for a voice check from

240

00:10:02,150 --> 00:09:56,880

jscpao

241

00:10:05,030 --> 00:10:03,509

loud and clear

242

00:10:06,949 --> 00:10:05,040

okay we're now going to take questions

243

00:10:09,509 --> 00:10:06,959

from the phone bridge phone bridge

244

00:10:12,069 --> 00:10:09,519

participants please press star 1 if you

245

00:10:13,430 --> 00:10:12,079

have a question and then star 2 to

246

00:10:14,710 --> 00:10:13,440

withdraw your question if it's been

247

00:10:16,630 --> 00:10:14,720

answered

248

00:10:20,790 --> 00:10:16,640

we'll start with jeff bromfield from

249

00:10:25,030 --> 00:10:23,190

wondering if you had any noticeable

250

00:10:26,470 --> 00:10:25,040

specific effects on your health and that

251

00:10:28,790 --> 00:10:26,480

could be either physical or

252

00:10:30,870 --> 00:10:28,800

psychological like depression and then

253

00:10:32,150 --> 00:10:30,880

the second part is where's the first

254

00:10:37,509 --> 00:10:32,160

place you're going to go when you get

255

00:10:40,870 --> 00:10:38,630

um

256

00:10:43,670 --> 00:10:40,880

you know the subjective stuff you know i

257

00:10:45,990 --> 00:10:43,680

have a little bit of i i think

258

00:10:48,150 --> 00:10:46,000

you know effect on my vision that was is

259

00:10:50,470 --> 00:10:48,160

very consistent with

260

00:10:53,110 --> 00:10:50,480

what i experienced last time

261

00:10:54,870 --> 00:10:53,120

from a psychological perspective even

262

00:10:56,470 --> 00:10:54,880

though i really you know look forward to

263

00:10:58,389 --> 00:10:56,480

going home it's not like i'm climbing

264

00:11:01,590 --> 00:10:58,399

the walls i think even on my last flight

265

00:11:03,910 --> 00:11:01,600

that was 159 days i was much more ready

266

00:11:05,910 --> 00:11:03,920

to to come home

267

00:11:07,509 --> 00:11:05,920

and i think that had probably had a lot

268

00:11:09,509 --> 00:11:07,519

to do with the fact that my

269

00:11:12,710 --> 00:11:09,519

sister-in-law congresswoman gabrielle

270

00:11:14,470 --> 00:11:12,720

giffords was shot two months prior

271

00:11:15,430 --> 00:11:14,480

um

272

00:11:17,350 --> 00:11:15,440

so

273

00:11:19,670 --> 00:11:17,360

you know they're there are the things i

274

00:11:21,110 --> 00:11:19,680

i feel and and i feel

275

00:11:21,990 --> 00:11:21,120

i feel pretty good

276

00:11:23,590 --> 00:11:22,000

um

277

00:11:26,630 --> 00:11:23,600

and as far as what are the first things

278

00:11:29,190 --> 00:11:26,640

i'm gonna do when i get back to houston

279

00:11:31,269 --> 00:11:29,200

i'll go to the astronaut crew quarters

280

00:11:33,750 --> 00:11:31,279

at the johnson space center for several

281

00:11:35,750 --> 00:11:33,760

hours of medical tests that end at about

282

00:11:37,269 --> 00:11:35,760

three in the morning

283

00:11:40,790 --> 00:11:37,279

and then i'm going to go home and jump

284

00:11:49,990 --> 00:11:43,670

okay next we'll hear from

285

00:11:54,550 --> 00:11:51,990

hi scott thanks so much for doing this

286

00:11:56,949 --> 00:11:54,560

um and this question is in no way

287

00:11:59,750 --> 00:11:56,959

meaning to at all belittle what has been

288

00:12:01,829 --> 00:11:59,760

a historic and extraordinary flight uh

289

00:12:04,069 --> 00:12:01,839

but i'm just curious is there some part

290

00:12:06,790 --> 00:12:04,079

of you that is slightly disappointed

291

00:12:09,190 --> 00:12:06,800

that you aren't up there for a full 365

292

00:12:14,069 --> 00:12:09,200

days that you're coming back on day 340.

293

00:12:18,069 --> 00:12:15,509

um

294

00:12:21,509 --> 00:12:18,079

you know i really don't think about

295

00:12:25,590 --> 00:12:22,629

yeah

296

00:12:27,430 --> 00:12:25,600

you know for me if i you know

297

00:12:30,710 --> 00:12:27,440

launched in march and land in march

298

00:12:31,590 --> 00:12:30,720

that's pretty close to a year um so no

299

00:12:33,990 --> 00:12:31,600

i'm not

300

00:12:35,430 --> 00:12:34,000

slightly disappointed at all actually

301

00:12:38,710 --> 00:12:35,440

it's actually something i haven't really

302

00:13:02,389 --> 00:12:40,790

next we'll hear from tracy watson with

303

00:13:08,069 --> 00:13:05,030

okay next let's try trevor hughes from

304

00:13:12,389 --> 00:13:10,550

good morning sir you've taken a lot of

305

00:13:15,030 --> 00:13:12,399

very beautiful photos of the earth over

306

00:13:22,230 --> 00:13:15,040

the past year what's been your favorite

307

00:13:25,829 --> 00:13:24,389

yeah i have taken a lot of pictures

308

00:13:28,150 --> 00:13:25,839

because i've been up here for a long

309

00:13:30,150 --> 00:13:28,160

time actually numbers wise i don't think

310

00:13:31,670 --> 00:13:30,160

i've taken you know that much compared

311

00:13:33,829 --> 00:13:31,680

to other

312

00:13:36,470 --> 00:13:33,839

crew members we've had up here but i've

313

00:13:38,310 --> 00:13:36,480

uh you know i've definitely taken some

314

00:13:40,790 --> 00:13:38,320

some good ones

315

00:13:41,829 --> 00:13:40,800

and some memorable ones

316

00:13:44,069 --> 00:13:41,839

you know

317

00:13:46,790 --> 00:13:44,079

hurricane patricia

318

00:13:48,870 --> 00:13:46,800

was pretty impressive

319

00:13:51,110 --> 00:13:48,880

some of the aurora we saw especially in

320

00:13:52,629 --> 00:13:51,120

the in the south during the uh the

321

00:13:55,750 --> 00:13:52,639

summer time

322

00:13:58,230 --> 00:13:55,760

um you know the bahamas always is always

323

00:13:59,750 --> 00:13:58,240

an impressive sight

324

00:14:01,430 --> 00:13:59,760

so

325

00:14:03,590 --> 00:14:01,440

you know i think i just got a really

326

00:14:05,670 --> 00:14:03,600

good picture of mount everest actually

327

00:14:07,189 --> 00:14:05,680

like an oblique picture but i'm kind of

328

00:14:09,430 --> 00:14:07,199

trying to confirm

329

00:14:11,750 --> 00:14:09,440

that it's actually everest but i think

330

00:14:13,670 --> 00:14:11,760

people really enjoy looking at that

331

00:14:17,269 --> 00:14:13,680

which i haven't posted yet but i took

332

00:14:22,629 --> 00:14:19,590

okay next up anne ball from voice of

333

00:14:26,069 --> 00:14:23,590

hello

334

00:14:28,710 --> 00:14:26,079

thank you so much for um talking to us

335

00:14:31,829 --> 00:14:28,720

today i was wondering um there's the

336

00:14:34,389 --> 00:14:31,839

recent story about apollo 10 and when

337

00:14:36,870 --> 00:14:34,399

they went on the dark side of the moon

338

00:14:39,910 --> 00:14:36,880

they heard strange sounds and i'm

339

00:14:42,550 --> 00:14:39,920

wondering if you have heard any strange

340

00:14:44,310 --> 00:14:42,560

sounds or strange musics

341

00:14:49,189 --> 00:14:44,320

that you could cannot identify while

342

00:14:51,829 --> 00:14:50,310

um

343

00:14:53,590 --> 00:14:51,839

not really i mean

344

00:14:55,430 --> 00:14:53,600

occasionally

345

00:14:57,509 --> 00:14:55,440

with the especially with the russian

346

00:14:59,670 --> 00:14:57,519

comm system with their vhf system you'll

347

00:15:01,750 --> 00:14:59,680

pick up signals uh on the from the

348

00:15:03,670 --> 00:15:01,760

ground so you'll hear you know

349

00:15:05,509 --> 00:15:03,680

interference that

350

00:15:08,710 --> 00:15:05,519

obviously originates on earth i mean we

351

00:15:12,389 --> 00:15:08,720

can hear airport atis information

352

00:15:14,470 --> 00:15:12,399

on that that vhf com system they have so

353

00:15:16,629 --> 00:15:14,480

you know i suspect you know probably

354

00:15:19,350 --> 00:15:16,639

what they heard on the moon maybe was

355

00:15:20,470 --> 00:15:19,360

something that was uh interference

356

00:15:21,910 --> 00:15:20,480

even though you say it was on the

357

00:15:23,829 --> 00:15:21,920

opposite side of the moon maybe there

358

00:15:26,150 --> 00:15:23,839

was some kind of uh

359

00:15:27,990 --> 00:15:26,160

you know transmission from the you know

360

00:15:30,310 --> 00:15:28,000

orbiting

361

00:15:32,310 --> 00:15:30,320

spacecraft down to the guys on the

362

00:15:36,230 --> 00:15:32,320

surface that probably originated on

363

00:15:40,150 --> 00:15:37,829

just a reminder to the foam bridge

364

00:15:42,389 --> 00:15:40,160

participants to press star 1 if you have

365

00:15:44,230 --> 00:15:42,399

a question and star 2 to withdraw your

366

00:15:45,990 --> 00:15:44,240

question if it's answered

367

00:15:47,749 --> 00:15:46,000

next we'll go to kenneth chang from new

368

00:15:53,509 --> 00:15:47,759

york times

369

00:15:53,519 --> 00:15:58,069

go ahead kenneth

370

00:16:10,949 --> 00:16:00,150

okay maybe we've lost him we'll try

371

00:16:14,949 --> 00:16:12,550

i just want to say uh you're making the

372

00:16:17,030 --> 00:16:14,959

people of new jersey very proud to call

373

00:16:19,189 --> 00:16:17,040

you one of our own and i just want to

374

00:16:21,910 --> 00:16:19,199

ask you is there anything about your new

375

00:16:27,189 --> 00:16:21,920

jersey upbringing that prepares you for

376

00:16:31,509 --> 00:16:29,269

you know when i was a kid i i don't know

377

00:16:33,590 --> 00:16:31,519

if it's particular to new jersey but my

378

00:16:36,069 --> 00:16:33,600

brother and i had a certain sense of

379

00:16:38,310 --> 00:16:36,079

freedom that i think kids at least you

380

00:16:40,230 --> 00:16:38,320

know my kids don't have with regards to

381

00:16:41,749 --> 00:16:40,240

what they're allowed to do and where

382

00:16:43,670 --> 00:16:41,759

they're allowed to uh

383

00:16:44,870 --> 00:16:43,680

you know venture when you're at a very

384

00:16:47,189 --> 00:16:44,880

young age

385

00:16:49,670 --> 00:16:47,199

and uh you know it's unfortunate that

386

00:16:51,030 --> 00:16:49,680

it's not that way but you know we lived

387

00:16:54,230 --> 00:16:51,040

a pretty uh

388

00:16:58,389 --> 00:16:54,240

exciting and uh adventurous life

389

00:17:00,550 --> 00:16:58,399

um very early on that uh

390

00:17:02,550 --> 00:17:00,560

you know i don't know if it's it's

391

00:17:04,470 --> 00:17:02,560

because of new jersey or just because of

392

00:17:06,549 --> 00:17:04,480

the times that i think you know probably

393

00:17:08,789 --> 00:17:06,559

contributed to my brother and i have a

394

00:17:12,470 --> 00:17:08,799

pretty having a pretty adventurous

395

00:17:18,549 --> 00:17:14,789

okay next question will be from charles

396

00:17:20,470 --> 00:17:18,559

atkinson with examiner.com

397

00:17:23,350 --> 00:17:20,480

thank you charles zackson examiner

398

00:17:25,909 --> 00:17:23,360

commander kelly will you stay on at nasa

399

00:17:27,590 --> 00:17:25,919

for project orion and how do you plan to

400

00:17:30,630 --> 00:17:27,600

contribute to america's upcoming

401
00:17:35,510 --> 00:17:30,640
missions away from low earth orbit uh in

402
00:17:42,310 --> 00:17:38,630
you know i will always uh try to stay

403
00:17:44,470 --> 00:17:42,320
involved in the space program in uh

404
00:17:46,710 --> 00:17:44,480
you know any capacity

405
00:17:49,110 --> 00:17:46,720
that will be allowed it's uh you know

406
00:17:51,430 --> 00:17:49,120
been my life my the last 20 years it's

407
00:17:53,029 --> 00:17:51,440
something i feel very strongly about

408
00:17:55,669 --> 00:17:53,039
you know there are times when you when

409
00:17:57,909 --> 00:17:55,679
you transition you know from from one

410
00:17:59,430 --> 00:17:57,919
thing to another but uh

411
00:18:01,270 --> 00:17:59,440
you know this has been my life and it's

412
00:18:03,990 --> 00:18:01,280
something i feel very strongly about and

413
00:18:08,390 --> 00:18:04,000

want to be a you know a big part of for

414

00:18:08,400 --> 00:18:22,070

next let's hear from jeremy with cnn

415

00:18:25,430 --> 00:18:23,510

okay reminder that if your question's

416

00:18:26,870 --> 00:18:25,440

been answered you can press star two to

417

00:18:28,710 --> 00:18:26,880

withdraw it if you have a question you

418

00:18:31,430 --> 00:18:28,720

can press star one

419

00:18:35,270 --> 00:18:31,440

let's go instead to jason davis with the

420

00:18:39,190 --> 00:18:37,590

hi scott thanks for taking my question i

421

00:18:40,630 --> 00:18:39,200

was hoping you could describe the

422

00:18:42,789 --> 00:18:40,640

physical test that you'll be going

423

00:18:43,750 --> 00:18:42,799

through immediately after returning to

424

00:18:45,990 --> 00:18:43,760

earth

425

00:18:48,630 --> 00:18:46,000

and how those tests will be applicable

426
00:18:50,230 --> 00:18:48,640
to trips to mars where an astronaut has

427
00:18:51,909 --> 00:18:50,240
spends a lot of time in weightlessness

428
00:18:56,870 --> 00:18:51,919
and suddenly has to adapt to gravity

429
00:19:00,470 --> 00:18:58,310
yeah so right after we get out of the

430
00:19:03,270 --> 00:19:00,480
soyuz they'll put us in the chairs that

431
00:19:05,510 --> 00:19:03,280
people often see uh sitting nearby the

432
00:19:07,750 --> 00:19:05,520
spacecraft and then from there we go

433
00:19:09,669 --> 00:19:07,760
into this medical tent and once we're

434
00:19:11,590 --> 00:19:09,679
inside the medical tent we'll be given a

435
00:19:12,390 --> 00:19:11,600
little bit of a time to adjust but then

436
00:19:14,870 --> 00:19:12,400
we

437
00:19:16,710 --> 00:19:14,880
go through about an hour of uh what's

438
00:19:18,070 --> 00:19:16,720

called this field test

439

00:19:20,789 --> 00:19:18,080

that is uh

440

00:19:22,870 --> 00:19:20,799

you know various uh different types of

441

00:19:24,950 --> 00:19:22,880

experiments some are physical

442

00:19:27,510 --> 00:19:24,960

kind of like you know even an obstacle

443

00:19:29,669 --> 00:19:27,520

course where you you know run around

444

00:19:31,430 --> 00:19:29,679

obstacles and you know

445

00:19:34,230 --> 00:19:31,440

stand up from a

446

00:19:36,710 --> 00:19:34,240

sitting position and jump and stand and

447

00:19:39,029 --> 00:19:36,720

you know looks at our uh

448

00:19:39,750 --> 00:19:39,039

you know our ability to uh you know for

449

00:19:44,549 --> 00:19:39,760

our

450

00:19:45,750 --> 00:19:44,559

adjust to those different positions and

451

00:19:46,549 --> 00:19:45,760

uh

452

00:19:49,029 --> 00:19:46,559

so

453

00:19:55,350 --> 00:19:49,039

uh it's pretty extensive stuff that we

454

00:19:59,590 --> 00:19:56,950

okay now we're going to try again with

455

00:20:00,950 --> 00:19:59,600

kenneth chang from the new york times

456

00:20:02,549 --> 00:20:00,960

all right thank you

457

00:20:03,990 --> 00:20:02,559

my question was

458

00:20:06,070 --> 00:20:04,000

did you notice any differences on the

459

00:20:13,270 --> 00:20:06,080

second six months compared to the first

460

00:20:18,470 --> 00:20:15,909

you know it's it's interesting when i

461

00:20:21,270 --> 00:20:18,480

when i look back on the time i've been

462

00:20:23,510 --> 00:20:21,280

here and think you know to the summer or

463

00:20:24,950 --> 00:20:23,520

even like you know the

464

00:20:28,310 --> 00:20:24,960

the fall

465

00:20:29,669 --> 00:20:28,320

september it seems like it was so so

466

00:20:32,549 --> 00:20:29,679

long ago

467

00:20:34,710 --> 00:20:32,559

and um

468

00:20:36,870 --> 00:20:34,720

but i don't know that there's been much

469

00:20:38,549 --> 00:20:36,880

of a difference i i've tried to take

470

00:20:41,190 --> 00:20:38,559

this uh

471

00:20:43,909 --> 00:20:41,200

do this with a very deliberate uh

472

00:20:45,190 --> 00:20:43,919

methodology deliberate pace

473

00:20:47,270 --> 00:20:45,200

looking

474

00:20:49,909 --> 00:20:47,280

not really at the end but what is the

475

00:20:52,710 --> 00:20:49,919

next milestone you know the next uh

476

00:20:54,870 --> 00:20:52,720

visiting vehicle that's coming the next

477

00:20:56,870 --> 00:20:54,880

crew members that that change out the

478

00:21:00,070 --> 00:20:56,880

next major science

479

00:21:01,510 --> 00:21:00,080

uh experiments we might uh have going on

480

00:21:03,350 --> 00:21:01,520

like you know looking at the

481

00:21:05,350 --> 00:21:03,360

microgravity science glove box here like

482

00:21:08,230 --> 00:21:05,360

the rodents you know we did that that

483

00:21:09,590 --> 00:21:08,240

was a that was a very big milestone

484

00:21:10,470 --> 00:21:09,600

um

485

00:21:12,070 --> 00:21:10,480

so

486

00:21:14,549 --> 00:21:12,080

and i think that's important i mean i

487

00:21:17,750 --> 00:21:14,559

think having those kind of milestones

488

00:21:20,070 --> 00:21:17,760

that break up a very long duration

489

00:21:21,190 --> 00:21:20,080

flight is something that is critical and

490

00:21:22,470 --> 00:21:21,200

maybe something you know we're going to

491

00:21:24,390 --> 00:21:22,480

have to think a lot about when we are

492

00:21:26,310 --> 00:21:24,400

going to mars where you know the next

493

00:21:28,310 --> 00:21:26,320

milestone might be six months later when

494

00:21:30,549 --> 00:21:28,320

you're arriving on the planet or you

495

00:21:31,750 --> 00:21:30,559

know six months later when you're coming

496

00:21:34,470 --> 00:21:31,760

home so

497

00:21:37,270 --> 00:21:34,480

um but i don't look at the whole

498

00:21:38,789 --> 00:21:37,280

experience like of the first six months

499

00:21:40,149 --> 00:21:38,799

last six months

500

00:21:43,110 --> 00:21:40,159

you know i try

501

00:21:45,830 --> 00:21:43,120

to almost only look to the next thing

502

00:21:48,310 --> 00:21:45,840

and uh fortunately you know we finished

503

00:21:49,190 --> 00:21:48,320

some some major maintenance on our water

504

00:21:51,990 --> 00:21:49,200

system

505

00:21:54,310 --> 00:21:52,000

uh just yesterday and that was a one of

506

00:21:56,070 --> 00:21:54,320

those big things not a giant thing but

507

00:21:59,190 --> 00:21:56,080

uh something that was i considered a

508

00:22:02,230 --> 00:21:59,200

milestone and next milestone is coming

509

00:22:09,029 --> 00:22:03,990

okay our next question is from lindsay

510

00:22:09,039 --> 00:22:12,549

hi

511

00:22:15,430 --> 00:22:13,990

uh what advice

512

00:22:20,789 --> 00:22:15,440

would you give to kids who want to

513

00:22:25,909 --> 00:22:23,909

so you know the advice i give

514

00:22:28,310 --> 00:22:25,919

and if you can mute your mic the advice

515

00:22:29,830 --> 00:22:28,320

i give about um

516

00:22:31,029 --> 00:22:29,840

you know kids that want to travel in

517

00:22:32,870 --> 00:22:31,039

space

518

00:22:35,990 --> 00:22:32,880

my assumption is they're talking about

519

00:22:38,310 --> 00:22:36,000

being a nasa astronaut and we have

520

00:22:40,630 --> 00:22:38,320

certain minimum requirements and and

521

00:22:43,590 --> 00:22:40,640

those are generally uh you know an

522

00:22:46,310 --> 00:22:43,600

expertise and a degree in some kind of

523

00:22:48,149 --> 00:22:46,320

technical field and that's important but

524

00:22:50,630 --> 00:22:48,159

what i also tell them it's important to

525

00:22:52,230 --> 00:22:50,640

choose something that you like a field

526

00:22:53,430 --> 00:22:52,240

that you like assuming it's qualifying

527

00:22:55,669 --> 00:22:53,440

because if you like it you're going to

528

00:22:57,590 --> 00:22:55,679

do better at it and nasa looks for

529

00:22:58,870 --> 00:22:57,600

people that have done you know a good

530

00:23:00,230 --> 00:22:58,880

job in their

531

00:23:02,149 --> 00:23:00,240

you know whatever field they were

532

00:23:04,230 --> 00:23:02,159

working in um

533

00:23:06,390 --> 00:23:04,240

and then also people that are that are

534

00:23:08,710 --> 00:23:06,400

pretty well-rounded not just focused in

535

00:23:10,470 --> 00:23:08,720

one specific area because up here you're

536

00:23:12,470 --> 00:23:10,480

really a generalist i mean you're

537

00:23:14,870 --> 00:23:12,480

everything from the medical doctor to

538

00:23:16,789 --> 00:23:14,880

the space walker to the you know to the

539

00:23:17,990 --> 00:23:16,799

plumber to the electrician to the

540

00:23:21,190 --> 00:23:18,000

scientist

541

00:23:23,110 --> 00:23:21,200

uh to the pilot in some cases

542

00:23:27,110 --> 00:23:23,120

so it's uh it's good to be very

543

00:23:34,710 --> 00:23:28,630

okay now we're going to go back to

544

00:23:38,390 --> 00:23:36,549

you made a few comments about our

545

00:23:39,350 --> 00:23:38,400

planet's atmosphere while you're up in

546

00:23:41,669 --> 00:23:39,360

space

547

00:23:43,350 --> 00:23:41,679

um since spending so much time up there

548

00:23:49,029 --> 00:23:43,360

has it changed your outlook on the

549

00:23:53,110 --> 00:23:51,269

yeah absolutely you know the more the

550

00:23:55,269 --> 00:23:53,120

more i look at earth and certain parts

551
00:23:57,269 --> 00:23:55,279
of earth the more i feel you know more

552
00:23:58,789 --> 00:23:57,279
of an environmentalist and

553
00:24:00,950 --> 00:23:58,799
someone that uh

554
00:24:03,510 --> 00:24:00,960
you know would like to do do a better

555
00:24:06,310 --> 00:24:03,520
job at helping to protect it

556
00:24:07,830 --> 00:24:06,320
there are definitely areas where

557
00:24:10,070 --> 00:24:07,840
you know the earth is covered with

558
00:24:12,070 --> 00:24:10,080
pollution almost all the time

559
00:24:18,149 --> 00:24:12,080
and

560
00:24:20,149 --> 00:24:18,159
that i've seen while i was up here that

561
00:24:21,269 --> 00:24:20,159
were in places that were unexpected

562
00:24:23,269 --> 00:24:21,279
storms

563
00:24:25,269 --> 00:24:23,279

you know bigger than uh you know we've

564

00:24:27,830 --> 00:24:25,279

seen in the past so

565

00:24:29,830 --> 00:24:27,840

you know i think there and and this is a

566

00:24:31,590 --> 00:24:29,840

human effect

567

00:24:33,830 --> 00:24:31,600

you can tell that that is not a

568

00:24:36,070 --> 00:24:33,840

naturally occurring phenomena it's not

569

00:24:38,710 --> 00:24:36,080

clouds you're looking at it is just a

570

00:24:41,190 --> 00:24:38,720

blanket of constant pollution in certain

571

00:24:44,149 --> 00:24:41,200

areas so you know we can we can fix that

572

00:24:45,830 --> 00:24:44,159

if we if we you know put our minds to it

573

00:24:47,190 --> 00:24:45,840

you know we can do amazing things if we

574

00:24:48,870 --> 00:24:47,200

put our minds to and that's one of the

575

00:24:51,269 --> 00:24:48,880

things i've learned up here by living in

576

00:24:53,029 --> 00:24:51,279

this incredible facility for so long is

577

00:24:54,789 --> 00:24:53,039

that you know if we can like i said

578

00:24:56,070 --> 00:24:54,799

earlier you know if we can dream it we

579

00:24:58,630 --> 00:24:56,080

can uh

580

00:25:00,789 --> 00:24:58,640

you know we can make it so so uh you

581

00:25:03,110 --> 00:25:00,799

know i hope to to do more when i get

582

00:25:06,870 --> 00:25:03,120

home

583

00:25:10,070 --> 00:25:08,710

one more reminder that if you have a

584

00:25:12,310 --> 00:25:10,080

question on the phone bridge you can

585

00:25:14,710 --> 00:25:12,320

press star one and if your question has

586

00:25:16,870 --> 00:25:14,720

been answered press star 2.

587

00:25:19,750 --> 00:25:16,880

next question will be from sarah hammond

588

00:25:21,269 --> 00:25:19,760

with arizona public media

589

00:25:22,870 --> 00:25:21,279

good morning

590

00:25:25,350 --> 00:25:22,880

you're one of the two subjects of the

591

00:25:27,430 --> 00:25:25,360

twin study and from your perspective

592

00:25:29,190 --> 00:25:27,440

scott what is the most important aspect

593

00:25:35,590 --> 00:25:29,200

of the study that will inform future

594

00:25:40,870 --> 00:25:38,870

you know i wouldn't want to pick one

595

00:25:43,669 --> 00:25:40,880

one of the studies over

596

00:25:46,870 --> 00:25:43,679

over any of the others as far as their

597

00:25:50,630 --> 00:25:48,390

that study is looking at a lot of

598

00:25:52,070 --> 00:25:50,640

important things

599

00:25:54,549 --> 00:25:52,080

between my brother and i and our

600

00:25:55,350 --> 00:25:54,559

physiology and how

601
00:25:57,350 --> 00:25:55,360
it

602
00:25:59,669 --> 00:25:57,360
you know changes over time in the course

603
00:26:01,909 --> 00:25:59,679
of the time i'm here you know one part

604
00:26:05,190 --> 00:26:01,919
of it is kind of a new area

605
00:26:07,510 --> 00:26:05,200
that nasa is uh is getting into

606
00:26:09,510 --> 00:26:07,520
um with this study is

607
00:26:10,390 --> 00:26:09,520
the effects of space flight on a genetic

608
00:26:11,269 --> 00:26:10,400
level

609
00:26:12,789 --> 00:26:11,279
and

610
00:26:15,110 --> 00:26:12,799
so that's something i'm pretty excited

611
00:26:18,149 --> 00:26:15,120
about you know for personal reasons but

612
00:26:19,590 --> 00:26:18,159
also for the uh to the research to to

613
00:26:21,430 --> 00:26:19,600

try to have a better understanding how

614

00:26:24,230 --> 00:26:21,440

this microgravity environment and the

615

00:26:26,230 --> 00:26:24,240

radiation environment affects us uh

616

00:26:28,470 --> 00:26:26,240

genetically

617

00:26:30,390 --> 00:26:28,480

you know there's a lot to learn and

618

00:26:33,110 --> 00:26:30,400

as we've seen over the last 10 years you

619

00:26:34,870 --> 00:26:33,120

know that that discipline of science has

620

00:26:36,070 --> 00:26:34,880

really just taken off so it's great to

621

00:26:38,390 --> 00:26:36,080

see us

622

00:26:41,029 --> 00:26:38,400

starting to focus on that in space as

623

00:26:47,669 --> 00:26:45,750

next up is candice dold from wbff

624

00:26:50,070 --> 00:26:47,679

scott many of the headlines about you

625

00:26:52,230 --> 00:26:50,080

right now speak about your year in space

626
00:26:53,909 --> 00:26:52,240
but 20 years down the road what will

627
00:27:00,950 --> 00:26:53,919
make you the most proud about your

628
00:27:05,669 --> 00:27:02,630
you know the thing i like

629
00:27:07,669 --> 00:27:05,679
most about flying in space is not you

630
00:27:09,669 --> 00:27:07,679
know the view or

631
00:27:12,230 --> 00:27:09,679
you know floating

632
00:27:14,630 --> 00:27:12,240
um you know the other stuff that's fun

633
00:27:17,029 --> 00:27:14,640
about this riding the rocket or you know

634
00:27:19,029 --> 00:27:17,039
coming back to earth the thing

635
00:27:21,909 --> 00:27:19,039
i like about it is doing something that

636
00:27:23,590 --> 00:27:21,919
i feel very very strongly about

637
00:27:26,470 --> 00:27:23,600
very passionate about

638
00:27:28,789 --> 00:27:26,480

something that's very difficult

639

00:27:31,510 --> 00:27:28,799

you know the work we do here every day

640

00:27:35,830 --> 00:27:31,520

is extremely

641

00:27:36,950 --> 00:27:35,840

concentration it's complicated

642

00:27:38,950 --> 00:27:36,960

um

643

00:27:40,710 --> 00:27:38,960

and you know we work hard at it and i

644

00:27:42,870 --> 00:27:40,720

work hard at it and

645

00:27:44,389 --> 00:27:42,880

you know i'm just gonna be

646

00:27:46,070 --> 00:27:44,399

you know 20 years from now i'll think

647

00:27:49,430 --> 00:27:46,080

back and i think i'll just be proud that

648

00:27:52,470 --> 00:27:49,440

i had a basically a you know 20 year or

649

00:27:56,149 --> 00:27:52,480

more year career here with four

650

00:27:57,909 --> 00:27:56,159

uh very successful space flights that uh

651

00:28:00,070 --> 00:27:57,919

you know accomplished most of our

652

00:28:02,149 --> 00:28:00,080

mission objectives and and it wasn't

653

00:28:04,149 --> 00:28:02,159

easy and i worked hard at it and and it

654

00:28:05,990 --> 00:28:04,159

was a success so it's really the whole

655

00:28:08,950 --> 00:28:06,000

the whole thing that uh

656

00:28:13,510 --> 00:28:11,430

next question is from joy malbon with

657

00:28:15,830 --> 00:28:13,520

canadian television

658

00:28:17,750 --> 00:28:15,840

commander kelly um you've spoken about

659

00:28:19,510 --> 00:28:17,760

some of the lovely pictures you've taken

660

00:28:26,389 --> 00:28:19,520

and i'm wondering if the northern lights

661

00:28:30,789 --> 00:28:28,470

oh absolutely i

662

00:28:33,430 --> 00:28:30,799

got some great uh northern lights

663

00:28:35,269 --> 00:28:33,440

pictures over canada

664

00:28:38,389 --> 00:28:35,279

um

665

00:28:41,029 --> 00:28:38,399

he actually you know tweeted uh several

666

00:28:42,070 --> 00:28:41,039

of them and uh yeah the northern lights

667

00:28:49,029 --> 00:28:42,080

are

668

00:28:50,070 --> 00:28:49,039

may know it's it's affected um by the

669

00:28:53,110 --> 00:28:50,080

the sun

670

00:28:54,710 --> 00:28:53,120

and their solar cycle and

671

00:28:56,789 --> 00:28:54,720

while i've been up here the southern

672

00:28:59,669 --> 00:28:56,799

lights we've had have been really

673

00:29:04,470 --> 00:28:59,679

incredible as well so it's

674

00:29:09,350 --> 00:29:06,310

one more question from bear essential

675

00:29:12,870 --> 00:29:11,190

hello scott this is stephen ginn with

676

00:29:15,190 --> 00:29:12,880

bare essential news

677

00:29:17,590 --> 00:29:15,200

and my question is

678

00:29:22,230 --> 00:29:19,669

you've taken a lot of breathtaking

679

00:29:24,230 --> 00:29:22,240

photos from your vantage point on iss

680

00:29:26,549 --> 00:29:24,240

how much of a privilege has this been

681

00:29:32,070 --> 00:29:26,559

for you and at what age did you get into

682

00:29:36,630 --> 00:29:35,029

well this is an incredible privilege to

683

00:29:38,830 --> 00:29:36,640

be able to

684

00:29:41,350 --> 00:29:38,840

work for nasa and

685

00:29:42,710 --> 00:29:41,360

represent my country

686

00:29:44,470 --> 00:29:42,720

our country

687

00:29:47,990 --> 00:29:44,480

um

688

00:29:49,990 --> 00:29:48,000

and i feel extremely fortunate

689

00:29:53,750 --> 00:29:50,000

to you know been given this

690

00:29:56,310 --> 00:29:53,760

responsibility to be able to do this

691

00:29:58,070 --> 00:29:56,320

as far as photography is concerned

692

00:29:59,750 --> 00:29:58,080

uh

693

00:30:01,909 --> 00:29:59,760

that's part of our job you know it's

694

00:30:04,070 --> 00:30:01,919

something that i really just started

695

00:30:07,430 --> 00:30:04,080

getting into when i became an astronaut

696

00:30:09,990 --> 00:30:07,440

and uh you know because we have such a

697

00:30:11,830 --> 00:30:10,000

great canvas with the earth and such a

698

00:30:12,870 --> 00:30:11,840

you know a unique vantage point that

699

00:30:14,789 --> 00:30:12,880

they

700

00:30:17,269 --> 00:30:14,799

you know it's you know

701

00:30:21,110 --> 00:30:17,279

mandatory that we we capture it and

702

00:30:26,230 --> 00:30:22,789

station this is houston acr that

703

00:30:30,789 --> 00:30:28,310

and thank you to all participants