



1
00:00:04,950 --> 00:00:02,710
voice of america this is houston please

2
00:00:07,030 --> 00:00:04,960
call station for a voice check

3
00:00:11,110 --> 00:00:07,040
station this is the voice of america how

4
00:00:13,830 --> 00:00:12,310
voice of america this is the

5
00:00:16,070 --> 00:00:13,840
international space station we've got

6
00:00:20,070 --> 00:00:16,080
you loud and clear welcome aboard thank

7
00:00:23,670 --> 00:00:22,390
shall i begin the interview now

8
00:00:25,349 --> 00:00:23,680
okay great

9
00:00:27,029 --> 00:00:25,359
first of all tracy doug and shannon

10
00:00:29,509 --> 00:00:27,039
thank you so much for your time today i

11
00:00:31,189 --> 00:00:29,519
have to say this is incredibly exciting

12
00:00:32,790 --> 00:00:31,199
and congratulations to you on your

13
00:00:34,790 --> 00:00:32,800

successful mission so far because i can

14

00:00:36,150 --> 00:00:34,800

tell you that we were watching we were

15

00:00:37,430 --> 00:00:36,160

all watching the repair mission and

16

00:00:39,670 --> 00:00:37,440

we're very excited about everything that

17

00:00:42,069 --> 00:00:39,680

you did

18

00:00:44,150 --> 00:00:42,079

and i understand that a resupply vehicle

19

00:00:45,830 --> 00:00:44,160

docked a few days ago and i was

20

00:00:48,229 --> 00:00:45,840

wondering if there were personal care

21

00:00:49,830 --> 00:00:48,239

packages on board or what was on there

22

00:00:55,110 --> 00:00:49,840

that you might have been most excited

23

00:00:59,990 --> 00:00:56,709

well suzanne

24

00:01:01,830 --> 00:01:00,000

yes there usually are a few uh personal

25

00:01:03,670 --> 00:01:01,840

care packages on board we've got a great

26
00:01:05,429 --> 00:01:03,680
psych support team at home that really

27
00:01:08,630 --> 00:01:05,439
takes care of us and

28
00:01:10,630 --> 00:01:08,640
family and friends who help supply

29
00:01:12,469 --> 00:01:10,640
little goodies for us i happen to have

30
00:01:15,109 --> 00:01:12,479
celebrated a birthday on orbit along

31
00:01:17,270 --> 00:01:15,119
with my two other russian crewmates and

32
00:01:19,830 --> 00:01:17,280
inside uh my care package were a number

33
00:01:21,429 --> 00:01:19,840
of birthday presents from my parents my

34
00:01:23,270 --> 00:01:21,439
husband and

35
00:01:28,070 --> 00:01:23,280
a whole host of friends

36
00:01:31,030 --> 00:01:29,429
and were there items on board for the

37
00:01:34,950 --> 00:01:31,040
rest of you that you were excited about

38
00:01:38,870 --> 00:01:36,870

no just tracy

39

00:01:41,749 --> 00:01:38,880

no just kidding uh actually the most

40

00:01:43,510 --> 00:01:41,759

exciting thing for me suzanne was the uh

41

00:01:45,510 --> 00:01:43,520

right on the very top as you open the

42

00:01:48,069 --> 00:01:45,520

hatch there are fresh fruits and

43

00:01:50,630 --> 00:01:48,079

vegetables that are in there uh that we

44

00:01:52,710 --> 00:01:50,640

have gone months without uh being able

45

00:01:54,789 --> 00:01:52,720

to smell the uh the smell of a fresh

46

00:01:56,230 --> 00:01:54,799

apple or something and so that was very

47

00:01:58,870 --> 00:01:56,240

exciting that

48

00:02:00,469 --> 00:01:58,880

it was just really a joy to to have

49

00:02:01,830 --> 00:02:00,479

those fresh fruits and vegetables on

50

00:02:07,270 --> 00:02:01,840

board

51
00:02:13,030 --> 00:02:10,949
a nice juicy apple and it was wonderful

52
00:02:14,470 --> 00:02:13,040
so that brings me to a topic that our

53
00:02:16,630 --> 00:02:14,480
audience is really interested in

54
00:02:18,309 --> 00:02:16,640
including a lot of our facebook fans and

55
00:02:20,869 --> 00:02:18,319
they're wondering about the logistics of

56
00:02:22,710 --> 00:02:20,879
day-to-day life on the iss

57
00:02:25,110 --> 00:02:22,720
and they're curious about how is it

58
00:02:27,589 --> 00:02:25,120
possible how do you eat with in zero

59
00:02:35,190 --> 00:02:27,599
gravity and how do you sleep in gravity

60
00:02:39,350 --> 00:02:37,670
well eating is is very similar to eating

61
00:02:41,030 --> 00:02:39,360
on earth of course there's no gravity so

62
00:02:42,470 --> 00:02:41,040
your food does float around so you have

63
00:02:45,030 --> 00:02:42,480

to be a little bit more careful that it

64

00:02:45,990 --> 00:02:45,040

doesn't go flying off your fork or spoon

65

00:02:48,150 --> 00:02:46,000

um

66

00:02:51,670 --> 00:02:48,160

and flying away from you but

67

00:02:53,990 --> 00:02:51,680

the foods we eat are are either military

68

00:02:55,910 --> 00:02:54,000

rations or

69

00:02:59,190 --> 00:02:55,920

rehydratable foods that are created for

70

00:03:01,270 --> 00:02:59,200

us at the johnson space center so um

71

00:03:02,869 --> 00:03:01,280

they're pretty tasty and pretty good but

72

00:03:04,390 --> 00:03:02,879

you do have to make sure that you sort

73

00:03:05,990 --> 00:03:04,400

of keep everything contained so it

74

00:03:09,190 --> 00:03:06,000

doesn't

75

00:03:11,430 --> 00:03:09,200

consume it

76
00:03:13,670 --> 00:03:11,440
as far as sleeping goes we have sleeping

77
00:03:15,430 --> 00:03:13,680
bags that we sleep in and they are

78
00:03:17,030 --> 00:03:15,440
positioned in our little quarters we

79
00:03:19,190 --> 00:03:17,040
have our own little

80
00:03:20,309 --> 00:03:19,200
areas that we call our own that we can

81
00:03:22,550 --> 00:03:20,319
sleep in

82
00:03:23,990 --> 00:03:22,560
and my sleeping bag is affixed to a wall

83
00:03:25,190 --> 00:03:24,000
and i climb inside and sort of float

84
00:03:28,710 --> 00:03:25,200
around in the sleeping bag at night

85
00:03:32,309 --> 00:03:30,550
is it affixed on two sides or can your

86
00:03:33,910 --> 00:03:32,319
sleeping bag almost fold up like a

87
00:03:39,589 --> 00:03:33,920
murphy's bed and then knock you into the

88
00:03:43,350 --> 00:03:41,110

well it's actually fixed in two points

89

00:03:45,110 --> 00:03:43,360

but it does stay open so i don't have a

90

00:03:47,830 --> 00:03:45,120

problem with it rolling me up when i

91

00:03:49,670 --> 00:03:47,840

don't want to be rolled up

92

00:03:51,670 --> 00:03:49,680

and i'm curious about how you adapt to

93

00:03:53,670 --> 00:03:51,680

living in such a confined space though i

94

00:03:55,509 --> 00:03:53,680

have to say i was surprised when i read

95

00:03:57,589 --> 00:03:55,519

in shannon's blog that you can actually

96

00:03:58,789 --> 00:03:57,599

get lost in the iss

97

00:04:00,149 --> 00:03:58,799

and at times it's confusing because you

98

00:04:01,589 --> 00:04:00,159

guys actually see things sometimes

99

00:04:05,750 --> 00:04:01,599

you're upside down when you encounter

100

00:04:08,869 --> 00:04:07,350

yeah that's quite true it's actually

101

00:04:11,270 --> 00:04:08,879

kind of needed

102

00:04:14,390 --> 00:04:11,280

the volume of the place sort of

103

00:04:16,390 --> 00:04:14,400

perception-wise is much greater as you

104

00:04:18,390 --> 00:04:16,400

uh as you live here for a long extended

105

00:04:21,030 --> 00:04:18,400

period of time because you can enter a

106

00:04:22,469 --> 00:04:21,040

module in any one of a number of

107

00:04:24,230 --> 00:04:22,479

orientations

108

00:04:27,510 --> 00:04:24,240

and it just looks a little different and

109

00:04:29,510 --> 00:04:27,520

so it's uh it almost perceptibly it

110

00:04:31,350 --> 00:04:29,520

it increases the volume of your living

111

00:04:37,270 --> 00:04:31,360

space because you uh you have a

112

00:04:41,590 --> 00:04:39,510

and i'm curious about what things that

113

00:04:42,870 --> 00:04:41,600

you've felt have happened to your body

114

00:04:44,310 --> 00:04:42,880

given that you've been up there for such

115

00:04:45,749 --> 00:04:44,320

a long duration

116

00:04:46,790 --> 00:04:45,759

shannon i think you mentioned in a blog

117

00:04:48,390 --> 00:04:46,800

that you found that you're spine

118

00:04:50,629 --> 00:04:48,400

lengthened i was wondering what other

119

00:04:56,790 --> 00:04:50,639

things you all have encountered and how

120

00:05:00,710 --> 00:04:58,310

uh well suzanne i think we've all

121

00:05:02,230 --> 00:05:00,720

experienced a little weight loss

122

00:05:05,270 --> 00:05:02,240

and

123

00:05:07,909 --> 00:05:05,280

a lot of our countermeasures uh the the

124

00:05:10,629 --> 00:05:07,919

resistive exercise the

125

00:05:12,310 --> 00:05:10,639

the cardiovascular work that we do helps

126

00:05:13,990 --> 00:05:12,320

to

127

00:05:16,629 --> 00:05:14,000

lessen the effects of those things that

128

00:05:18,950 --> 00:05:16,639

we feel but yeah i think that we all

129

00:05:21,430 --> 00:05:18,960

have felt a little weight loss

130

00:05:24,150 --> 00:05:21,440

when you first arrive that's probably

131

00:05:25,990 --> 00:05:24,160

when you feel it the most you you you

132

00:05:29,749 --> 00:05:26,000

feel um

133

00:05:31,990 --> 00:05:29,759

a little bit um from the uh um probably

134

00:05:35,510 --> 00:05:32,000

a little bit from the right up but also

135

00:05:38,550 --> 00:05:35,520

um vestibularly as your brain starts to

136

00:05:40,550 --> 00:05:38,560

get accustomed to the new uh

137

00:05:41,749 --> 00:05:40,560

messages that it's getting from your

138

00:05:45,430 --> 00:05:41,759

inner ear

139

00:05:47,590 --> 00:05:45,440

you have a lot of awareness of um and uh

140

00:05:49,189 --> 00:05:47,600

of your stomach as well as

141

00:05:52,070 --> 00:05:49,199

like doug was saying when you go into a

142

00:05:54,550 --> 00:05:52,080

module your perception of that module uh

143

00:05:56,550 --> 00:05:54,560

will uh be determined a lot by uh how

144

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

your brain is interpreting the the fluid

145

00:06:01,749 --> 00:05:58,560

in your ear you also experience a lot of

146

00:06:04,150 --> 00:06:01,759

stiffness because i believe because you

147

00:06:05,590 --> 00:06:04,160

your fluid now in your body is shifting

148

00:06:08,230 --> 00:06:05,600

it's floating along with you along with

149

00:06:10,309 --> 00:06:08,240

your organs and it wasn't doing that

150

00:06:11,749 --> 00:06:10,319

before you got here and so a lot of

151
00:06:13,270 --> 00:06:11,759
those

152
00:06:14,710 --> 00:06:13,280
feelings you have

153
00:06:15,990 --> 00:06:14,720
when you first get here probably within

154
00:06:18,230 --> 00:06:16,000
the first

155
00:06:19,189 --> 00:06:18,240
three weeks before it starts to settle

156
00:06:23,909 --> 00:06:19,199
down

157
00:06:30,950 --> 00:06:25,590
over time does it almost start to feel

158
00:06:35,670 --> 00:06:33,110
after a period of time i think for me it

159
00:06:36,790 --> 00:06:35,680
took about 30 days to where i really

160
00:06:38,710 --> 00:06:36,800
felt

161
00:06:40,710 --> 00:06:38,720
like i could come in uh come into a

162
00:06:41,510 --> 00:06:40,720
module whether i'm looking

163
00:06:43,990 --> 00:06:41,520

uh

164

00:06:46,070 --> 00:06:44,000

i'm on the ceiling or the deck or the

165

00:06:48,230 --> 00:06:46,080

starboard or port side it didn't really

166

00:06:49,270 --> 00:06:48,240

matter and your brain can just very

167

00:06:50,870 --> 00:06:49,280

quickly

168

00:06:52,629 --> 00:06:50,880

adapt to the orientation you're coming

169

00:06:55,110 --> 00:06:52,639

in it takes about 30 days something like

170

00:06:56,710 --> 00:06:55,120

that and after that period of time

171

00:06:57,909 --> 00:06:56,720

then you begin to wonder about boy

172

00:07:00,150 --> 00:06:57,919

what's it going to be like when i get

173

00:07:01,830 --> 00:07:00,160

back under gravity and get back home and

174

00:07:03,830 --> 00:07:01,840

i can't do this in my and you know i

175

00:07:06,950 --> 00:07:03,840

can't crawl on the ceiling and in my

176

00:07:08,870 --> 00:07:06,960

home and so uh and so uh

177

00:07:11,110 --> 00:07:08,880

we tend to uh tend to be thinking about

178

00:07:13,589 --> 00:07:11,120

those things now tracy and her crew are

179

00:07:15,990 --> 00:07:13,599

coming back to the earth next week and

180

00:07:17,990 --> 00:07:16,000

um and i know that they uh they begin to

181

00:07:21,270 --> 00:07:18,000

think about those things and how gravity

182

00:07:23,189 --> 00:07:21,280

will begin to affect them next week

183

00:07:24,469 --> 00:07:23,199

well i'm curious as um as to what are

184

00:07:26,870 --> 00:07:24,479

some of the most amazing things that

185

00:07:28,070 --> 00:07:26,880

you've seen up there from space and what

186

00:07:29,670 --> 00:07:28,080

do you think you're going to miss the

187

00:07:31,029 --> 00:07:29,680

most about it once you come back down to

188

00:07:37,749 --> 00:07:31,039

earth for the two of you that are coming

189

00:07:42,230 --> 00:07:39,990

well gosh some of the most amazing

190

00:07:44,869 --> 00:07:42,240

things i've seen

191

00:07:45,909 --> 00:07:44,879

of course are the views uh out the

192

00:07:46,869 --> 00:07:45,919

window

193

00:07:49,749 --> 00:07:46,879

and

194

00:07:51,749 --> 00:07:49,759

we're um our our cupola window is in its

195

00:07:54,230 --> 00:07:51,759

infancy here onboard the space station

196

00:07:57,029 --> 00:07:54,240

so um we uh

197

00:07:59,430 --> 00:07:57,039

we get to enjoy that view um some of us

198

00:08:01,270 --> 00:07:59,440

you know um we're the way we are one of

199

00:08:02,869 --> 00:08:01,280

the first crews not not the first but

200

00:08:05,029 --> 00:08:02,879

one of the first crews to to get to

201
00:08:07,350 --> 00:08:05,039
enjoy that view and i can't tell you how

202
00:08:09,589 --> 00:08:07,360
miraculous it is to get

203
00:08:12,469 --> 00:08:09,599
um i mean the view of the earth engulfs

204
00:08:13,589 --> 00:08:12,479
you when you're inside that cupola and

205
00:08:25,830 --> 00:08:13,599
to

206
00:08:27,270 --> 00:08:25,840
gracious gifts we've been given up here

207
00:08:28,550 --> 00:08:27,280
so i'd have to say that that is one of

208
00:08:30,869 --> 00:08:28,560
the one of the

209
00:08:32,310 --> 00:08:30,879
most fantastic things about being here

210
00:08:34,469 --> 00:08:32,320
and um

211
00:08:36,230 --> 00:08:34,479
what was the other question

212
00:08:39,110 --> 00:08:36,240
uh what are you gonna miss oh what am i

213
00:08:41,509 --> 00:08:39,120

gonna miss that is what i'm gonna miss a

214

00:08:43,750 --> 00:08:41,519

lot i'm going to miss

215

00:08:46,710 --> 00:08:43,760

miss that view a lot and i think that

216

00:08:47,590 --> 00:08:46,720

especially when the the sun goes down

217

00:08:48,870 --> 00:08:47,600

and

218

00:08:50,870 --> 00:08:48,880

the view doesn't get any less

219

00:08:53,670 --> 00:08:50,880

spectacular that's for sure it's

220

00:08:56,070 --> 00:08:53,680

actually kind of magical and some of our

221

00:08:58,630 --> 00:08:56,080

great photographers here on orbit have

222

00:09:00,630 --> 00:08:58,640

captured the views of the aurora i wish

223

00:09:03,430 --> 00:09:00,640

we could get a view of the milky way

224

00:09:05,590 --> 00:09:03,440

because it's astonishing from here

225

00:09:08,550 --> 00:09:05,600

and then just the the sun rising and

226

00:09:10,470 --> 00:09:08,560

setting and the way it looks on this

227

00:09:15,430 --> 00:09:10,480

planet makes it look like the most

228

00:09:19,030 --> 00:09:17,430

okay well that's all my time and i just

229

00:09:20,310 --> 00:09:19,040

wanted to thank you again so much and to

230

00:09:22,870 --> 00:09:20,320

wish you the best of luck for the rest

231

00:09:27,670 --> 00:09:22,880

of your mission and for your arrival

232

00:09:30,630 --> 00:09:29,030

well thank you so much for joining us

233

00:09:33,590 --> 00:09:30,640

aboard the international space station

234

00:09:35,030 --> 00:09:33,600

and all our best wishes to all the

235

00:09:37,190 --> 00:09:35,040

listeners and viewers of voice of

236

00:09:39,269 --> 00:09:37,200

america

237

00:09:40,949 --> 00:09:39,279

station this is houston acr that

238

00:09:43,269 --> 00:09:40,959

concludes the voice of america portion

239

00:09:45,350 --> 00:09:43,279

of the event please stand by for a voice

240

00:09:47,750 --> 00:09:45,360

check from abc news

241

00:09:51,190 --> 00:09:47,760

station this is abc news how do you hear

242

00:09:54,949 --> 00:09:53,509

abc news this is the international space

243

00:09:56,470 --> 00:09:54,959

station welcome aboard we hear you're

244

00:09:58,389 --> 00:09:56,480

loud and clear

245

00:10:01,269 --> 00:09:58,399

well this morning we had the advantage

246

00:10:03,269 --> 00:10:01,279

of seeing that spectacular video of of

247

00:10:05,430 --> 00:10:03,279

those hurricanes swirling around in the

248

00:10:07,829 --> 00:10:05,440

atlantic and one mission for the space

249

00:10:09,990 --> 00:10:07,839

station is earth observations would you

250

00:10:11,350 --> 00:10:10,000

guys give me each uh an impression of

251
00:10:13,110 --> 00:10:11,360
what you've seen while you've been up

252
00:10:14,870 --> 00:10:13,120
there of the hurricanes and other events

253
00:10:21,030 --> 00:10:14,880
on earth that have have stuck out in

254
00:10:25,990 --> 00:10:23,430
well there there are so many but uh

255
00:10:28,389 --> 00:10:26,000
you're right uh the hurricanes are just

256
00:10:31,030 --> 00:10:28,399
unbelievable i mean that just this the

257
00:10:33,110 --> 00:10:31,040
size of this morning uh shannon and i

258
00:10:35,350 --> 00:10:33,120
were able to take a few moments uh to go

259
00:10:37,509 --> 00:10:35,360
to the cupola we looked right into the

260
00:10:40,389 --> 00:10:37,519
eye of hurricane igor

261
00:10:42,230 --> 00:10:40,399
uh which is just absolutely fantastic

262
00:10:43,590 --> 00:10:42,240
the the view we could see the water

263
00:10:45,509 --> 00:10:43,600

right through the uh

264

00:10:46,389 --> 00:10:45,519

of the atlantic ocean right down through

265

00:10:48,790 --> 00:10:46,399

the eye

266

00:10:51,030 --> 00:10:48,800

and it was spectacular and

267

00:10:53,350 --> 00:10:51,040

it really just really

268

00:10:55,350 --> 00:10:53,360

just takes your breath away it's uh

269

00:10:57,190 --> 00:10:55,360

no words to describe it and we try to

270

00:10:59,269 --> 00:10:57,200

capture it in pictures but

271

00:11:01,110 --> 00:10:59,279

i wish that i could blink my eyes and

272

00:11:01,910 --> 00:11:01,120

take a photo of what my eyes are seeing

273

00:11:10,069 --> 00:11:01,920

because

274

00:11:17,430 --> 00:11:12,150

shannon tracy do you have anything to

275

00:11:20,710 --> 00:11:19,190

well the of course the hurricanes are

276

00:11:23,190 --> 00:11:20,720

spectacular and i think one of the

277

00:11:25,590 --> 00:11:23,200

things that always impresses me is the

278

00:11:27,910 --> 00:11:25,600

impacts humans have on the earth

279

00:11:29,430 --> 00:11:27,920

we can when we fly over we can see all

280

00:11:32,550 --> 00:11:29,440

the cities especially at night with all

281

00:11:34,790 --> 00:11:32,560

the city lights and you can see um where

282

00:11:36,870 --> 00:11:34,800

we're all where people are everywhere

283

00:11:38,550 --> 00:11:36,880

and then you can also see things like

284

00:11:40,949 --> 00:11:38,560

fires burning and

285

00:11:43,350 --> 00:11:40,959

um other things going on so that always

286

00:11:46,389 --> 00:11:43,360

impresses me to see how we're affecting

287

00:11:46,399 --> 00:11:50,629

gina some of the most amazing things

288

00:11:52,710 --> 00:11:51,990

some of the most amazing things i've

289

00:11:55,509 --> 00:11:52,720

seen

290

00:11:57,670 --> 00:11:55,519

have been when the sun is set and

291

00:11:59,670 --> 00:11:57,680

when especially the moon is setting if

292

00:12:01,509 --> 00:11:59,680

moon is out it doesn't need to be a full

293

00:12:03,509 --> 00:12:01,519

moon it could be a sliver of the moon

294

00:12:05,190 --> 00:12:03,519

and when it's setting

295

00:12:06,949 --> 00:12:05,200

beyond the horizon it's really

296

00:12:09,350 --> 00:12:06,959

interesting the shape that it takes as

297

00:12:12,150 --> 00:12:09,360

well as the color and it almost is just

298

00:12:14,629 --> 00:12:12,160

as it passes the the limb the terminator

299

00:12:17,509 --> 00:12:14,639

it uh it turns this bright orange and it

300

00:12:19,829 --> 00:12:17,519

almost looks like it's a branding iron

301

00:12:23,269 --> 00:12:19,839

on a on a

302

00:12:25,590 --> 00:12:23,279

on a calf it's uh it's that hot uh

303

00:12:27,670 --> 00:12:25,600

orange color and it's quite distorted

304

00:12:29,509 --> 00:12:27,680

and it looks amazing and it catches your

305

00:12:31,110 --> 00:12:29,519

eye if you're not

306

00:12:33,030 --> 00:12:31,120

prepared for it and then i have to say

307

00:12:35,269 --> 00:12:33,040

the other astonishing thing is when

308

00:12:36,949 --> 00:12:35,279

there is a lightning storm beneath us it

309

00:12:38,470 --> 00:12:36,959

lights up the whole space station as if

310

00:12:39,509 --> 00:12:38,480

there were a strobe light

311

00:12:42,629 --> 00:12:39,519

underneath

312

00:12:45,350 --> 00:12:42,639

us so those are two very unexpected and

313

00:12:46,629 --> 00:12:45,360

pretty fantastic views

314

00:12:48,550 --> 00:12:46,639

this question may seem a little

315

00:12:50,069 --> 00:12:48,560

redundant but scott kelly who's headed

316

00:12:52,550 --> 00:12:50,079

your way next month gave us a tour of

317

00:12:54,710 --> 00:12:52,560

the space station mockup at jsc

318

00:12:56,870 --> 00:12:54,720

we were all a little surprised at just

319

00:12:59,750 --> 00:12:56,880

how small the sleeping quarters are on

320

00:13:02,389 --> 00:12:59,760

the space station he describes it more

321

00:13:04,150 --> 00:13:02,399

like a phone booth than a bedroom

322

00:13:05,990 --> 00:13:04,160

i mean you guys have you've been there

323

00:13:11,350 --> 00:13:06,000

you slept there how would you describe

324

00:13:15,110 --> 00:13:12,870

yeah that's what uh you know i i've

325

00:13:17,350 --> 00:13:15,120

described it to the the the children and

326

00:13:19,190 --> 00:13:17,360

the students i've talked to as a phone

327

00:13:20,310 --> 00:13:19,200

booth but then i they look at me like we

328

00:13:21,829 --> 00:13:20,320

don't know what a phone booth is you

329

00:13:24,150 --> 00:13:21,839

know because we don't have phone booths

330

00:13:26,150 --> 00:13:24,160

anymore but uh it's about like that but

331

00:13:29,030 --> 00:13:26,160

um the thing that you have to remember

332

00:13:31,350 --> 00:13:29,040

is within the absence of gravity every

333

00:13:33,829 --> 00:13:31,360

uh cubic inch of that phone booth is

334

00:13:35,670 --> 00:13:33,839

usable space now so you can you can put

335

00:13:38,790 --> 00:13:35,680

things on the ceiling you can have

336

00:13:40,150 --> 00:13:38,800

things on the floor on all the walls and

337

00:13:42,870 --> 00:13:40,160

you can have your sleeping bag on the

338

00:13:45,189 --> 00:13:42,880

wall and so the phone booth becomes

339

00:13:50,389 --> 00:13:45,199

maybe 50 percent larger in perception

340

00:13:55,829 --> 00:13:53,110

now shannon when i watch the daily iss

341

00:13:57,829 --> 00:13:55,839

hour it seems that maintenance takes a

342

00:13:59,509 --> 00:13:57,839

lot of time on the space station oh and

343

00:14:02,389 --> 00:13:59,519

one note someone just emailed me to

344

00:14:03,189 --> 00:14:02,399

congratulate you on the rice owls win

345

00:14:04,389 --> 00:14:03,199

so

346

00:14:09,110 --> 00:14:04,399

but tell me a little bit about the

347

00:14:12,069 --> 00:14:10,550

well it's good to know that rice won i

348

00:14:14,150 --> 00:14:12,079

hadn't heard that yet

349

00:14:15,829 --> 00:14:14,160

maintenance yes of course does take a

350

00:14:17,509 --> 00:14:15,839

lot of effort to maintain the station

351

00:14:19,189 --> 00:14:17,519

just like a house at home there are

352

00:14:20,470 --> 00:14:19,199

things that have to be done

353

00:14:22,470 --> 00:14:20,480

every week we have to make sure our

354

00:14:24,710 --> 00:14:22,480

filters are clean so our atmosphere is

355

00:14:26,790 --> 00:14:24,720

breathable to us and we have to keep all

356

00:14:27,990 --> 00:14:26,800

the parts and pieces in good working

357

00:14:30,550 --> 00:14:28,000

order because

358

00:14:32,550 --> 00:14:30,560

it's a long way to hardware store to buy

359

00:14:34,470 --> 00:14:32,560

to buy things to get things to fix parts

360

00:14:35,910 --> 00:14:34,480

up here so we spend a lot of effort to

361

00:14:37,910 --> 00:14:35,920

make sure that we can keep it running as

362

00:14:40,069 --> 00:14:37,920

smoothly as possible

363

00:14:42,629 --> 00:14:40,079

now tracing wheels you pulled off three

364

00:14:45,110 --> 00:14:42,639

remarkable spacewalks on short notice

365

00:14:46,870 --> 00:14:45,120

earlier this year what what were those

366

00:14:48,790 --> 00:14:46,880

they seemed like such a big challenge

367

00:14:50,710 --> 00:14:48,800

but what did you when you went out there

368

00:14:57,590 --> 00:14:50,720

would you go boy i hope i can pull this

369

00:15:01,030 --> 00:15:00,150

oh yeah you bet that was a definitely a

370

00:15:01,829 --> 00:15:01,040

thought

371

00:15:06,550 --> 00:15:01,839

um

372

00:15:09,430 --> 00:15:06,560

us had our head in the game uh when this

373

00:15:10,470 --> 00:15:09,440

came up um you know we train a lot for

374

00:15:12,470 --> 00:15:10,480

um

375

00:15:14,389 --> 00:15:12,480

you know failures like we experienced

376

00:15:16,230 --> 00:15:14,399

there with the pump module and so pretty

377

00:15:17,670 --> 00:15:16,240

much our training kicked in in our

378

00:15:19,990 --> 00:15:17,680

response to that

379

00:15:22,629 --> 00:15:20,000

and um as a crew i think we worked

380

00:15:24,790 --> 00:15:22,639

really well together to uh um with with

381

00:15:27,430 --> 00:15:24,800

the ground teams as well uh to get

382

00:15:29,189 --> 00:15:27,440

ourselves into a safe configuration

383

00:15:32,150 --> 00:15:29,199

but then going out to do the spacewalks

384

00:15:33,829 --> 00:15:32,160

we were preparing to to do a a another

385

00:15:35,590 --> 00:15:33,839

spacewalk

386

00:15:37,189 --> 00:15:35,600

before this pump module failure so i

387

00:15:39,030 --> 00:15:37,199

think our head was already in the

388

00:15:40,470 --> 00:15:39,040

spacewalking game

389

00:15:41,670 --> 00:15:40,480

i think shannon was the one that had a

390

00:15:43,509 --> 00:15:41,680

little bit of surprise she wasn't

391

00:15:46,389 --> 00:15:43,519

prepared to do robotics just yet but she

392

00:15:47,990 --> 00:15:46,399

pulled that off beautifully and i'd have

393

00:15:51,030 --> 00:15:48,000

to say that going out the door we all

394

00:15:52,629 --> 00:15:51,040

just felt pretty focused and

395

00:15:55,189 --> 00:15:52,639

when you realized

396

00:15:56,949 --> 00:15:55,199

you feel the vibe from the teams on

397

00:15:59,430 --> 00:15:56,959

on the ground that are doing a lot of

398

00:16:02,230 --> 00:15:59,440

the work to uh prepare us to go out the

399

00:16:04,230 --> 00:16:02,240

hatch um that that feeling it it

400

00:16:06,310 --> 00:16:04,240

radiates and it comes up you can feel it

401
00:16:08,550 --> 00:16:06,320
here on orbit and i think that helped to

402
00:16:09,749 --> 00:16:08,560
set our mind where it needed to be to go

403
00:16:13,590 --> 00:16:09,759
out and do this

404
00:16:18,870 --> 00:16:16,150
tracy uh while you've got the mic i know

405
00:16:21,269 --> 00:16:18,880
you're headed home soon what you miss

406
00:16:26,629 --> 00:16:21,279
most about living in space and what will

407
00:16:30,790 --> 00:16:28,629
oh dean there's going to be a lot that i

408
00:16:31,910 --> 00:16:30,800
miss i'm going to miss these guys i'm

409
00:16:33,590 --> 00:16:31,920
going to miss

410
00:16:34,710 --> 00:16:33,600
all my crewmates because as soon as i

411
00:16:37,590 --> 00:16:34,720
land if

412
00:16:39,110 --> 00:16:37,600
if we land in our primary landing spot i

413
00:16:41,269 --> 00:16:39,120

get on a plane and i come right back to

414

00:16:43,350 --> 00:16:41,279

houston and my my two russian crewmates

415

00:16:44,870 --> 00:16:43,360

who i've spent all my time with

416

00:16:45,910 --> 00:16:44,880

i won't be able to see for a couple of

417

00:16:49,430 --> 00:16:45,920

weeks

418

00:16:51,030 --> 00:16:49,440

i'm definitely going to miss the views i

419

00:16:52,310 --> 00:16:51,040

don't think there's a time i can enter

420

00:16:53,189 --> 00:16:52,320

the cupola

421

00:16:57,670 --> 00:16:53,199

in

422

00:16:59,670 --> 00:16:57,680

the views and not get a little choked up

423

00:17:00,870 --> 00:16:59,680

thinking this might be the the last time

424

00:17:02,550 --> 00:17:00,880

but then

425

00:17:06,549 --> 00:17:02,560

i'm also

426
00:17:08,309 --> 00:17:06,559
too many people get to see that view and

427
00:17:09,669 --> 00:17:08,319
i try to take it in

428
00:17:11,669 --> 00:17:09,679
and

429
00:17:13,429 --> 00:17:11,679
so much so that i can help describe it

430
00:17:15,110 --> 00:17:13,439
to folks when i come back and help them

431
00:17:17,669 --> 00:17:15,120
feel a little bit of it

432
00:17:18,390 --> 00:17:17,679
the one thing i'm not going to miss

433
00:17:20,390 --> 00:17:18,400
is

434
00:17:22,309 --> 00:17:20,400
the lack of longevity in my toothbrush

435
00:17:25,110 --> 00:17:22,319
i'm really looking forward to having

436
00:17:27,189 --> 00:17:25,120
running water and

437
00:17:29,909 --> 00:17:27,199
we can create running water out here but

438
00:17:31,510 --> 00:17:29,919

it comes with some consequence so um i'd

439

00:17:33,110 --> 00:17:31,520

have to say there's a lot more that i'm

440

00:17:36,310 --> 00:17:33,120

going to

441

00:17:38,150 --> 00:17:36,320

miss about this place than not

442

00:17:40,310 --> 00:17:38,160

doug i think i have time for one more

443

00:17:42,789 --> 00:17:40,320

question and i hate to throw this to you

444

00:17:44,150 --> 00:17:42,799

it seems complicated but how do you

445

00:17:45,990 --> 00:17:44,160

describe the mission of the space

446

00:17:47,669 --> 00:17:46,000

station people down on earth who maybe

447

00:17:52,070 --> 00:17:47,679

don't quite get what you guys do up

448

00:17:55,669 --> 00:17:53,350

well probably the most important thing

449

00:17:57,990 --> 00:17:55,679

for us right now is we are finally

450

00:18:00,070 --> 00:17:58,000

getting to full utilization of this

451
00:18:01,590 --> 00:18:00,080
orbiting laboratory and it's uh it's

452
00:18:04,230 --> 00:18:01,600
been a long haul it's been very

453
00:18:06,150 --> 00:18:04,240
expensive it's uh been uh we've hit

454
00:18:07,669 --> 00:18:06,160
we've run into surprises around the

455
00:18:09,909 --> 00:18:07,679
corner as we've assembled the space

456
00:18:11,669 --> 00:18:09,919
station it's taken us longer than we

457
00:18:13,190 --> 00:18:11,679
thought to get it up into full

458
00:18:15,590 --> 00:18:13,200
utilization but

459
00:18:17,909 --> 00:18:15,600
we're just now entering that phase where

460
00:18:20,789 --> 00:18:17,919
we've got laboratories up and running

461
00:18:22,470 --> 00:18:20,799
we've got over 130 experiments uh that

462
00:18:24,310 --> 00:18:22,480
we're operating on board and so we're

463
00:18:26,310 --> 00:18:24,320

starting to really get

464

00:18:27,909 --> 00:18:26,320

the bang for our buck

465

00:18:30,310 --> 00:18:27,919

in the way of science and that's very

466

00:18:33,669 --> 00:18:30,320

exciting to us because um it's been a

467

00:18:35,270 --> 00:18:33,679

long phase of of assembly and um and

468

00:18:36,310 --> 00:18:35,280

right now we're trying to just bring

469

00:18:38,549 --> 00:18:36,320

back uh

470

00:18:40,710 --> 00:18:38,559

the science data that we need to our

471

00:18:42,710 --> 00:18:40,720

scientists on the ground that will that

472

00:18:43,750 --> 00:18:42,720

will make life better on earth for

473

00:18:45,510 --> 00:18:43,760

everyone

474

00:18:46,789 --> 00:18:45,520

we're doing

475

00:18:47,909 --> 00:18:46,799

experiments in

476
00:18:50,789 --> 00:18:47,919
in medicine

477
00:18:53,510 --> 00:18:50,799
and fluid mechanics

478
00:18:55,510 --> 00:18:53,520
different ways to

479
00:19:05,110 --> 00:18:55,520
to

480
00:19:07,190 --> 00:19:05,120
this phase of full science on board

481
00:19:12,310 --> 00:19:07,200
expedition 24 thank you very much for

482
00:19:17,029 --> 00:19:15,110
thank you so much abc

483
00:19:22,549 --> 00:19:17,039
station this is houston acr that

484
00:19:27,590 --> 00:19:25,190
thank you voice of america and abc news