



1  
00:00:06,710 --> 00:00:02,790  
station this is houston are you ready

2  
00:00:10,870 --> 00:00:08,470  
houston this is station we are ready for

3  
00:00:13,430 --> 00:00:10,880  
the event

4  
00:00:15,589 --> 00:00:13,440  
pine river bacca schools this is mission

5  
00:00:18,470 --> 00:00:15,599  
control houston please call station for

6  
00:00:23,269 --> 00:00:20,550  
marcus

7  
00:00:27,109 --> 00:00:23,279  
a student at pine river school how do

8  
00:00:33,030 --> 00:00:30,950  
i hear you loud and clear

9  
00:00:35,270 --> 00:00:33,040  
my name is emma we want to welcome you

10  
00:00:37,350 --> 00:00:35,280  
flight engineer vanda high to prb

11  
00:00:39,590 --> 00:00:37,360  
schools we have senator icorn and

12  
00:00:41,910 --> 00:00:39,600  
representative layman here as well we're

13  
00:00:43,430 --> 00:00:41,920

all so excited to talk to you today this

14

00:00:45,670 --> 00:00:43,440

is such a huge honor to be a part of

15

00:00:47,350 --> 00:00:45,680

your first downlink our first question

16

00:00:49,430 --> 00:00:47,360

is how did your experiences in the

17

00:00:54,630 --> 00:00:49,440

military help prepare you for being an

18

00:00:58,709 --> 00:00:56,869

well there's a very direct correlation

19

00:01:00,709 --> 00:00:58,719

between the military and being able to

20

00:01:03,990 --> 00:01:00,719

fly in space for me

21

00:01:05,030 --> 00:01:04,000

because uh being in the military is all

22

00:01:07,670 --> 00:01:05,040

about

23

00:01:09,910 --> 00:01:07,680

taking care of the people on your team

24

00:01:11,590 --> 00:01:09,920

and up here in space

25

00:01:13,750 --> 00:01:11,600

i'm on a team of six people that's

26

00:01:15,270 --> 00:01:13,760

separated from the rest of humanity

27

00:01:17,350 --> 00:01:15,280

so that ability to take care of

28

00:01:19,030 --> 00:01:17,360

ourselves in extreme environments and to

29

00:01:23,749 --> 00:01:19,040

take care of other people

30

00:01:27,670 --> 00:01:25,830

hi my name is abilene what does the

31

00:01:32,550 --> 00:01:27,680

gravitational force feel like as you

32

00:01:36,390 --> 00:01:34,310

what does gravitational force feel like

33

00:01:38,469 --> 00:01:36,400

as we launch so

34

00:01:41,270 --> 00:01:38,479

during the launch on the spacecraft we

35

00:01:43,030 --> 00:01:41,280

used the g-forces that's what we call

36

00:01:46,310 --> 00:01:43,040

the uh

37

00:01:49,590 --> 00:01:46,320

the multiple the multiplication factor

38

00:01:51,109 --> 00:01:49,600

of uh a normal force from gravity

39

00:01:52,710 --> 00:01:51,119

it's really the acceleration we

40

00:01:55,749 --> 00:01:52,720

experience

41

00:01:57,830 --> 00:01:55,759

that was uh at most about three times i

42

00:02:00,310 --> 00:01:57,840

believe what we normally feel but

43

00:02:02,149 --> 00:02:00,320

because we are laying on our backs

44

00:02:03,830 --> 00:02:02,159

while we were launched it just felt like

45

00:02:04,709 --> 00:02:03,840

we were being shoved harder into the

46

00:02:06,630 --> 00:02:04,719

seat

47

00:02:10,070 --> 00:02:06,640

um it really wasn't that bad though it

48

00:02:19,350 --> 00:02:12,630

hi my name is kyla do you get scared and

49

00:02:19,360 --> 00:02:23,750

i'm sorry could you say that again

50

00:02:26,790 --> 00:02:25,030

[Music]

51

00:02:28,150 --> 00:02:26,800

the question was

52

00:02:32,070 --> 00:02:28,160

do you get

53

00:02:36,150 --> 00:02:32,080

scared and sometimes think omg i'm in

54

00:02:41,110 --> 00:02:38,470

so yes i definitely have a lot of wow

55

00:02:43,670 --> 00:02:41,120

moments um

56

00:02:45,030 --> 00:02:43,680

honestly i'm realizing that our ability

57

00:02:47,509 --> 00:02:45,040

to walk

58

00:02:48,630 --> 00:02:47,519

is hugely dependent on gravity

59

00:02:50,790 --> 00:02:48,640

and the first

60

00:02:52,710 --> 00:02:50,800

two to three days actually even now i'm

61

00:02:55,030 --> 00:02:52,720

still learning about how to move around

62

00:02:57,110 --> 00:02:55,040

it's like learn to walk again

63

00:02:58,790 --> 00:02:57,120

the fact that i can float

64

00:03:01,190 --> 00:02:58,800

makes it really easy to move but it's

65

00:03:03,430 --> 00:03:01,200

also very easy to float past the place i

66

00:03:04,630 --> 00:03:03,440

want to be or for example like if i want

67

00:03:06,470 --> 00:03:04,640

to stay right here and wasn't paying

68

00:03:08,390 --> 00:03:06,480

attention it's really easy for me to

69

00:03:16,470 --> 00:03:08,400

just float up and away from where i want

70

00:03:21,670 --> 00:03:19,270

hi my name is elena what kind of

71

00:03:26,309 --> 00:03:21,680

research i expand

72

00:03:29,990 --> 00:03:28,149

there are that's a great question there

73

00:03:31,270 --> 00:03:30,000

are hundreds of experiments we're doing

74

00:03:33,750 --> 00:03:31,280

in space

75

00:03:35,190 --> 00:03:33,760

one that i can highlight is a experiment

76

00:03:37,910 --> 00:03:35,200

we did

77

00:03:40,309 --> 00:03:37,920

growing lung tissue in space

78

00:03:43,190 --> 00:03:40,319

we our hope is that that lung tissue

79

00:03:46,309 --> 00:03:43,200

will be able to help fight cancer

80

00:03:49,509 --> 00:03:46,319

and we just returned that to earth a

81

00:03:58,309 --> 00:03:50,710

to

82

00:04:01,990 --> 00:04:00,470

hi my name is river how often do you get

83

00:04:03,830 --> 00:04:02,000

to speak to your family and friends

84

00:04:07,830 --> 00:04:03,840

while aboard the international space

85

00:04:12,149 --> 00:04:09,750

i try to talk to my wife about every two

86

00:04:13,509 --> 00:04:12,159

days yesterday was the first time i got

87

00:04:15,350 --> 00:04:13,519

to talk to my

88

00:04:17,430 --> 00:04:15,360

children and my wife and it was fun

89

00:04:19,909 --> 00:04:17,440

because i got to take them on a tour

90

00:04:22,469 --> 00:04:19,919

around the space station

91

00:04:25,189 --> 00:04:22,479

but fairly frequently we have a phone up

92

00:04:27,990 --> 00:04:25,199

here so i'm able to make phone calls the

93

00:04:29,830 --> 00:04:28,000

only difficulty is sometimes the

94

00:04:30,790 --> 00:04:29,840

satellite coverage isn't that good and

95

00:04:32,950 --> 00:04:30,800

we lose

96

00:04:34,629 --> 00:04:32,960

coverage momentarily so it's not quite

97

00:04:39,590 --> 00:04:34,639

as convenient as being on the ground but

98

00:04:46,870 --> 00:04:41,830

hi my name is cameron do you think

99

00:04:50,950 --> 00:04:49,830

i definitely think as long as we can

100

00:04:55,189 --> 00:04:50,960

maintain

101  
00:04:56,950 --> 00:04:55,199  
peace and progress as a as a species

102  
00:04:59,510 --> 00:04:56,960  
we will be able to get people on mars

103  
00:05:00,790 --> 00:04:59,520  
it's it's definitely a possible thing we

104  
00:05:02,469 --> 00:05:00,800  
just got to work hard to get there and

105  
00:05:06,070 --> 00:05:02,479  
there's lots of things for us to learn

106  
00:05:11,029 --> 00:05:08,629  
hi my name is grady has a meteor ever

107  
00:05:15,909 --> 00:05:11,039  
hit the space station if so what has

108  
00:05:20,550 --> 00:05:18,310  
actually in a way yes we've got what we

109  
00:05:22,550 --> 00:05:20,560  
call micro meteoroids

110  
00:05:24,390 --> 00:05:22,560  
and there are places on the outside of

111  
00:05:25,909 --> 00:05:24,400  
the space station where they it's you

112  
00:05:29,029 --> 00:05:25,919  
can see evidence

113  
00:05:29,830 --> 00:05:29,039

of those micro meteoroid strikes

114

00:05:31,749 --> 00:05:29,840

um

115

00:05:33,670 --> 00:05:31,759

we haven't had one big enough that we've

116

00:05:35,270 --> 00:05:33,680

had to uh

117

00:05:36,870 --> 00:05:35,280

had a leak into the space station

118

00:05:39,110 --> 00:05:36,880

because the space station was designed

119

00:05:40,629 --> 00:05:39,120

with that in mind and what we have to do

120

00:05:42,790 --> 00:05:40,639

though is make sure that when people do

121

00:05:44,070 --> 00:05:42,800

space walks if there's a sharp edge as a

122

00:05:45,909 --> 00:05:44,080

result of that

123

00:05:49,350 --> 00:05:45,919

that people are aware of it or we've

124

00:05:53,270 --> 00:05:51,749

hi my name is hannah mentally how do you

125

00:05:58,710 --> 00:05:53,280

prepare yourself for the hazards and

126

00:06:03,270 --> 00:06:01,110

well i think the most important thing

127

00:06:05,510 --> 00:06:03,280

about preparing to go to space is the

128

00:06:07,189 --> 00:06:05,520

training that we receive

129

00:06:08,150 --> 00:06:07,199

for example when we launched out of

130

00:06:10,070 --> 00:06:08,160

russia

131

00:06:11,749 --> 00:06:10,080

prior to launching out of kazakhstan

132

00:06:13,990 --> 00:06:11,759

excuse me

133

00:06:15,430 --> 00:06:14,000

we trained in russia for

134

00:06:17,110 --> 00:06:15,440

several years

135

00:06:19,430 --> 00:06:17,120

and the simulations they put us through

136

00:06:21,670 --> 00:06:19,440

in russia were very challenging

137

00:06:22,629 --> 00:06:21,680

to the point where it almost surprised

138

00:06:23,670 --> 00:06:22,639

me

139

00:06:25,110 --> 00:06:23,680

that

140

00:06:27,670 --> 00:06:25,120

everything went

141

00:06:29,909 --> 00:06:27,680

normally there was no

142

00:06:32,070 --> 00:06:29,919

malfunctions to deal with during our

143

00:06:33,670 --> 00:06:32,080

entire trip from the earth to the space

144

00:06:35,830 --> 00:06:33,680

station so

145

00:06:37,830 --> 00:06:35,840

and i expected that to be the case

146

00:06:39,270 --> 00:06:37,840

but because of the training we felt like

147

00:06:40,710 --> 00:06:39,280

we were ready for anything that could

148

00:06:46,950 --> 00:06:40,720

possibly go wrong

149

00:06:49,670 --> 00:06:47,749

hi

150

00:06:51,830 --> 00:06:49,680

my name is kinsley

151  
00:06:54,150 --> 00:06:51,840  
how do you complete daily tasks while

152  
00:06:58,070 --> 00:06:54,160  
living and working in a microgravity

153  
00:07:04,070 --> 00:07:00,830  
it's uh it takes some getting used to

154  
00:07:05,670 --> 00:07:04,080  
so uh first of all we have a team of

155  
00:07:08,230 --> 00:07:05,680  
people on the ground that keep the space

156  
00:07:09,749 --> 00:07:08,240  
station running and one person's job of

157  
00:07:11,749 --> 00:07:09,759  
several people's job

158  
00:07:13,189 --> 00:07:11,759  
is to make the plan for what tasks we

159  
00:07:14,550 --> 00:07:13,199  
have to do

160  
00:07:15,909 --> 00:07:14,560  
but i think what you're really wondering

161  
00:07:17,749 --> 00:07:15,919  
about is how do you do this stuff in

162  
00:07:19,670 --> 00:07:17,759  
space it's really about

163  
00:07:20,790 --> 00:07:19,680

finding a place to secure yourself for

164

00:07:21,909 --> 00:07:20,800

example

165

00:07:24,870 --> 00:07:21,919

i could

166

00:07:26,230 --> 00:07:24,880

want to work on this wall to my right

167

00:07:31,350 --> 00:07:26,240

and

168

00:07:34,390 --> 00:07:31,360

i could

169

00:07:37,189 --> 00:07:34,400

put my feet in that same place

170

00:07:39,029 --> 00:07:37,199

and hold on to something with my feet

171

00:07:41,270 --> 00:07:39,039

and then i have both of my hands free to

172

00:07:42,790 --> 00:07:41,280

do something with

173

00:07:44,629 --> 00:07:42,800

so you have to find some part of your

174

00:07:49,589 --> 00:07:44,639

body to connect yourself to a surface so

175

00:07:53,430 --> 00:07:51,830

hi my name is emma what advice do you

176

00:07:57,110 --> 00:07:53,440

have for student who wants to become an

177

00:08:01,430 --> 00:07:59,430

i would say do find what you love to do

178

00:08:04,390 --> 00:08:01,440

and then find a way to do it

179

00:08:05,430 --> 00:08:04,400

um i really believe that astronauts are

180

00:08:08,390 --> 00:08:05,440

people

181

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

that nasa found who were being very very

182

00:08:13,670 --> 00:08:10,400

successful at what they did in a wide

183

00:08:14,550 --> 00:08:13,680

variety of technical fields

184

00:08:15,990 --> 00:08:14,560

and

185

00:08:18,150 --> 00:08:16,000

because they loved what they were doing

186

00:08:20,469 --> 00:08:18,160

they were very successful at it so

187

00:08:21,749 --> 00:08:20,479

again i think it's a very personal thing

188

00:08:23,589 --> 00:08:21,759

and the other

189

00:08:26,390 --> 00:08:23,599

crucial piece is the chances of becoming

190

00:08:28,309 --> 00:08:26,400

an astronaut are very small so it's

191

00:08:29,589 --> 00:08:28,319

important that you're doing something

192

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

you love

193

00:08:34,310 --> 00:08:32,159

and enjoy the path regardless of whether

194

00:08:38,389 --> 00:08:34,320

or not it results in you becoming an

195

00:08:44,949 --> 00:08:42,230

hi my name is andrew if it were possible

196

00:08:49,750 --> 00:08:44,959

to visit any planet which one would you

197

00:08:54,710 --> 00:08:51,590

well my favorite planet is certainly the

198

00:08:57,190 --> 00:08:54,720

earth because uh it's we are custom

199

00:08:59,190 --> 00:08:57,200

built to to live on the earth

200

00:09:01,910 --> 00:08:59,200

um i

201

00:09:04,389 --> 00:09:01,920

i would say mars it would be

202

00:09:05,750 --> 00:09:04,399

it's certainly a planet we already

203

00:09:08,070 --> 00:09:05,760

intended to get to we're working on

204

00:09:11,110 --> 00:09:08,080

spacecraft to get there but i think the

205

00:09:12,710 --> 00:09:11,120

idea of traveling that far away and

206

00:09:13,910 --> 00:09:12,720

learning about what it takes to live in

207

00:09:17,190 --> 00:09:13,920

another place

208

00:09:18,870 --> 00:09:17,200

that's uh that isn't as hospitable to

209

00:09:22,070 --> 00:09:18,880

life as the earth would be extremely

210

00:09:29,910 --> 00:09:25,030

my name is abby what happens if you get

211

00:09:32,870 --> 00:09:30,630

so

212

00:09:35,110 --> 00:09:32,880

fortu we don't always have a doctor on

213

00:09:36,550 --> 00:09:35,120

the crew but in our crew of six

214

00:09:37,509 --> 00:09:36,560

one of the crew members is actually a

215

00:09:39,030 --> 00:09:37,519

doctor

216

00:09:40,310 --> 00:09:39,040

but we've all gotten some medical

217

00:09:45,590 --> 00:09:40,320

training

218

00:09:48,470 --> 00:09:45,600

we also get a lot of help from experts

219

00:09:50,230 --> 00:09:48,480

on the ground so somebody got hurt

220

00:09:52,710 --> 00:09:50,240

they would advise us what to do and if

221

00:09:54,870 --> 00:09:52,720

somebody's in really bad shape and we

222

00:09:57,110 --> 00:09:54,880

need to go home early because of that

223

00:09:58,389 --> 00:09:57,120

there's always the spacecraft that we

224

00:10:00,310 --> 00:09:58,399

launched in

225

00:10:02,550 --> 00:10:00,320

docked to the space station that could

226

00:10:06,949 --> 00:10:02,560

serve as a lifeboat to take us home

227

00:10:11,590 --> 00:10:09,590

hi my name is miles being in a different

228

00:10:15,910 --> 00:10:11,600

spot on earth do you have more solar

229

00:10:20,150 --> 00:10:18,550

actually no we're very close to the

230

00:10:22,550 --> 00:10:20,160

surface of the earth

231

00:10:24,389 --> 00:10:22,560

and we get eclipses when the earth moon

232

00:10:25,590 --> 00:10:24,399

and sun are aligned

233

00:10:29,430 --> 00:10:25,600

so

234

00:10:31,750 --> 00:10:29,440

the earth relatively speaking compared

235

00:10:34,069 --> 00:10:31,760

to the distances between the sun the

236

00:10:36,710 --> 00:10:34,079

moon and the earth we get solar we get

237

00:10:38,790 --> 00:10:36,720

to see solar eclipses the same time as

238

00:10:41,030 --> 00:10:38,800

the earth does but the neat thing for us

239

00:10:46,550 --> 00:10:41,040

is we get to look down from space

240

00:10:54,710 --> 00:10:49,110

hi my name is hudson how many miles have

241

00:10:59,269 --> 00:10:56,870

you know that's a great question so i'm

242

00:11:02,230 --> 00:10:59,279

going to ask you guys to figure this out

243

00:11:05,190 --> 00:11:02,240

the space station is traveling around 17

244

00:11:07,990 --> 00:11:05,200

700 miles per hour

245

00:11:11,110 --> 00:11:08,000

there's 24 hours in a day

246

00:11:12,550 --> 00:11:11,120

and let's say i got here wednesday so

247

00:11:14,870 --> 00:11:12,560

that's wednesday thursday friday

248

00:11:18,230 --> 00:11:14,880

saturday sunday monday so let's just say

249

00:11:20,310 --> 00:11:18,240

six days times 24 hours times 17 700

250

00:11:21,590 --> 00:11:20,320

miles per hour multiply those three

251

00:11:28,150 --> 00:11:21,600

numbers together and you'll get the

252

00:11:36,790 --> 00:11:31,269

hi my name is artie how do you get home

253

00:11:41,110 --> 00:11:38,389

another great question

254

00:11:43,430 --> 00:11:41,120

we use the soyuz spacecraft to get home

255

00:11:46,550 --> 00:11:43,440

it's the same one we launched in

256

00:11:47,910 --> 00:11:46,560

and it's a much it's uh a relatively

257

00:11:51,350 --> 00:11:47,920

short trip

258

00:11:54,310 --> 00:11:51,360

will land on land in kazakhstan

259

00:11:56,550 --> 00:11:54,320

under a parachute after uh

260

00:11:59,030 --> 00:11:56,560

we've slowed the spacecraft down enough

261

00:12:03,670 --> 00:11:59,040

so that it will deorbit and enter the

262

00:12:10,470 --> 00:12:05,829

hi my name is matty what made you want

263

00:12:14,629 --> 00:12:12,230

i think the thing that made me want to

264

00:12:16,389 --> 00:12:14,639

become an astronaut was this idea

265

00:12:17,590 --> 00:12:16,399

of pushing the boundaries of what we

266

00:12:18,470 --> 00:12:17,600

understand

267

00:12:20,949 --> 00:12:18,480

um

268

00:12:22,389 --> 00:12:20,959

i also like the idea that it's mentally

269

00:12:23,670 --> 00:12:22,399

challenging and also physically

270

00:12:25,670 --> 00:12:23,680

challenging

271

00:12:28,470 --> 00:12:25,680

so in many many ways it's appealing to

272

00:12:30,790 --> 00:12:28,480

me i also love the fact that right now

273

00:12:32,069 --> 00:12:30,800

we're working with people from multiple

274

00:12:33,829 --> 00:12:32,079

countries to do this so it's a very

275

00:12:36,550 --> 00:12:33,839

international effort

276

00:12:38,550 --> 00:12:36,560

and i also love the fact that the

277

00:12:42,470 --> 00:12:38,560

work we're doing provides some benefit

278

00:12:50,629 --> 00:12:44,870

hi my name is lyndon how long did you

279

00:12:53,990 --> 00:12:52,310

in some ways you train to become an

280

00:12:55,509 --> 00:12:54,000

astronaut your entire life based on the

281

00:12:57,269 --> 00:12:55,519

decisions you make

282

00:12:59,430 --> 00:12:57,279

um

283

00:13:01,829 --> 00:12:59,440

but specifically

284

00:13:03,190 --> 00:13:01,839

i got hired as an astronaut candidate in

285

00:13:06,470 --> 00:13:03,200

2009

286

00:13:11,430 --> 00:13:06,480

and now it's 2017 so i would say it took

287

00:13:14,870 --> 00:13:13,110

hi my name is oh

288

00:13:17,509 --> 00:13:14,880

hi my name is tony how has the

289

00:13:22,230 --> 00:13:17,519

microgravity environment affected you

290

00:13:26,389 --> 00:13:24,790

so personally it was it's very very

291

00:13:28,470 --> 00:13:26,399

humbling at first

292

00:13:30,069 --> 00:13:28,480

because if you're the one new guy who's

293

00:13:31,590 --> 00:13:30,079

never done this before

294

00:13:32,870 --> 00:13:31,600

everybody else seems to know how to move

295

00:13:35,269 --> 00:13:32,880

around well and get things done

296

00:13:36,550 --> 00:13:35,279

efficiently and it was really easy for

297

00:13:37,910 --> 00:13:36,560

me to

298

00:13:39,189 --> 00:13:37,920

not pay attention to something for

299

00:13:42,069 --> 00:13:39,199

example if i was working with this

300

00:13:43,509 --> 00:13:42,079

microphone i might set it someplace turn

301  
00:13:46,629 --> 00:13:43,519  
around

302  
00:13:49,189 --> 00:13:46,639  
do some work

303  
00:13:52,230 --> 00:13:49,199  
come back

304  
00:13:53,750 --> 00:13:52,240  
wouldn't be present

305  
00:13:55,030 --> 00:13:53,760  
or the tool i was using wouldn't be

306  
00:13:56,870 --> 00:13:55,040  
present so i have to start looking all

307  
00:13:58,790 --> 00:13:56,880  
over the place to find things

308  
00:14:00,550 --> 00:13:58,800  
it was very easy for me to bump into

309  
00:14:01,590 --> 00:14:00,560  
things when i because i'm floating

310  
00:14:02,550 --> 00:14:01,600  
around and i didn't have a lot of

311  
00:14:04,629 --> 00:14:02,560  
control

312  
00:14:06,150 --> 00:14:04,639  
and i stay i'm starting to improve a lot

313  
00:14:09,910 --> 00:14:06,160

on that it's getting more and more

314

00:14:15,990 --> 00:14:12,230

hi my name is billy what does the moon

315

00:14:19,910 --> 00:14:18,230

the moon looks like

316

00:14:21,350 --> 00:14:19,920

i would say the moon looks the same from

317

00:14:22,150 --> 00:14:21,360

the space station as it does from the

318

00:14:24,710 --> 00:14:22,160

earth

319

00:14:27,670 --> 00:14:24,720

again we're really not that far away uh

320

00:14:29,829 --> 00:14:27,680

one advantage is when the moon is is

321

00:14:31,430 --> 00:14:29,839

visible for us we never have to worry

322

00:14:33,110 --> 00:14:31,440

about clouds being between us and the

323

00:14:36,150 --> 00:14:33,120

moon because they're all between us and

324

00:14:43,509 --> 00:14:39,350

hi my name is brooke how long can you be

325

00:14:47,269 --> 00:14:45,750

well we've had people be in space for

326

00:14:49,509 --> 00:14:47,279

about a year

327

00:14:51,670 --> 00:14:49,519

and uh we really don't know the limit

328

00:14:53,189 --> 00:14:51,680

but we're trying to uh

329

00:14:55,110 --> 00:14:53,199

make sure

330

00:14:57,590 --> 00:14:55,120

that we can find a way to make to have

331

00:15:00,389 --> 00:14:57,600

people be very healthy

332

00:15:02,150 --> 00:15:00,399

so that if we go to another planet

333

00:15:03,509 --> 00:15:02,160

no matter how long that trip takes that

334

00:15:04,949 --> 00:15:03,519

those people will be healthy when they

335

00:15:07,590 --> 00:15:04,959

arrive and they're not going to be met

336

00:15:12,550 --> 00:15:07,600

by doctors they're going to be met by an

337

00:15:15,990 --> 00:15:13,670

hi

338

00:15:20,550 --> 00:15:16,000

can you tell us about the module that

339

00:15:25,189 --> 00:15:22,629

sure this is the u.s lab

340

00:15:27,030 --> 00:15:25,199

it's uh i would call it kind of a

341

00:15:28,949 --> 00:15:27,040

hub for the u.s

342

00:15:30,949 --> 00:15:28,959

segment of the space station

343

00:15:31,990 --> 00:15:30,959

it's got lots of different facilities

344

00:15:34,389 --> 00:15:32,000

there's these things called

345

00:15:37,670 --> 00:15:34,399

international

346

00:15:40,150 --> 00:15:37,680

standard payload racks that are located

347

00:15:41,670 --> 00:15:40,160

all over there when we flew the shuttle

348

00:15:43,269 --> 00:15:41,680

to bring things up here we interchanged

349

00:15:44,310 --> 00:15:43,279

those a lot

350

00:15:45,829 --> 00:15:44,320

um

351  
00:15:47,509 --> 00:15:45,839  
but it's

352  
00:15:49,590 --> 00:15:47,519  
every single surface is covered with

353  
00:15:51,590 --> 00:15:49,600  
either places to store

354  
00:15:53,350 --> 00:15:51,600  
equipment we use for experiments or

355  
00:15:55,269 --> 00:15:53,360  
items we use to control the space

356  
00:16:00,790 --> 00:15:55,279  
station and keep it running well or

357  
00:16:04,629 --> 00:16:02,710  
and what advice

358  
00:16:08,629 --> 00:16:04,639  
do you have for the students in this

359  
00:16:14,870 --> 00:16:11,350  
i would say uh

360  
00:16:17,269 --> 00:16:14,880  
try really hard do your best

361  
00:16:19,829 --> 00:16:17,279  
whatever your best is

362  
00:16:22,389 --> 00:16:19,839  
but try harder to make sure that other

363  
00:16:23,590 --> 00:16:22,399

people are doing their best than that

364

00:16:25,350 --> 00:16:23,600

you look like you're better than

365

00:16:27,110 --> 00:16:25,360

everybody else

366

00:16:28,310 --> 00:16:27,120

it's really important that we do things

367

00:16:29,990 --> 00:16:28,320

as a team

368

00:16:36,389 --> 00:16:30,000

and that we

369

00:16:40,230 --> 00:16:38,470

and

370

00:16:43,110 --> 00:16:40,240

there have been a lot of

371

00:16:44,949 --> 00:16:43,120

auroras or northern lights down here

372

00:16:46,150 --> 00:16:44,959

have you been able to see them from

373

00:16:47,590 --> 00:16:46,160

space

374

00:16:49,110 --> 00:16:47,600

and if so

375

00:16:53,990 --> 00:16:49,120

how are they different than here on

376

00:16:59,189 --> 00:16:56,389

so uh

377

00:17:01,269 --> 00:16:59,199

the first day i arrived

378

00:17:02,629 --> 00:17:01,279

the the crew that was already here on

379

00:17:04,789 --> 00:17:02,639

the space station

380

00:17:07,189 --> 00:17:04,799

were very very welcoming we had a few

381

00:17:10,150 --> 00:17:07,199

things to get done and then we had had a

382

00:17:11,990 --> 00:17:10,160

very very long day on the launch day so

383

00:17:14,150 --> 00:17:12,000

we had a lot of rest time but i quite

384

00:17:15,909 --> 00:17:14,160

honestly i didn't rest very much i was

385

00:17:17,510 --> 00:17:15,919

so excited to be up here

386

00:17:19,510 --> 00:17:17,520

i went to look out the window for about

387

00:17:21,590 --> 00:17:19,520

45 minutes straight to watch both the

388

00:17:24,230 --> 00:17:21,600

sunrise and the sunset

389

00:17:25,590 --> 00:17:24,240

and part of that one of the crew members

390

00:17:27,510 --> 00:17:25,600

that was already here pointed out where

391

00:17:29,029 --> 00:17:27,520

an aurora was

392

00:17:31,270 --> 00:17:29,039

how would i describe it as being

393

00:17:33,029 --> 00:17:31,280

different

394

00:17:34,950 --> 00:17:33,039

i certainly felt like it looked a lot

395

00:17:37,510 --> 00:17:34,960

more expansive on the ground an aurora

396

00:17:41,029 --> 00:17:37,520

looks like a curtain of green above you

397

00:17:43,669 --> 00:17:41,039

and from space it looks like a

398

00:17:48,230 --> 00:17:43,679

kind of a lot of rippling green below

399

00:17:51,909 --> 00:17:49,430

okay

400

00:17:54,230 --> 00:17:51,919

the pine river back is community home of

401  
00:17:56,870 --> 00:17:54,240  
the tigers would like to thank

402  
00:17:58,789 --> 00:17:56,880  
astronaut mark vande high

403  
00:18:01,430 --> 00:17:58,799  
nasa education

404  
00:18:03,830 --> 00:18:01,440  
and the nasa downlink program for

405  
00:18:04,950 --> 00:18:03,840  
providing this opportunity for our

406  
00:18:08,890 --> 00:18:04,960  
students

407  
00:18:08,900 --> 00:18:40,230  
[Applause]

408  
00:18:45,510 --> 00:18:42,390  
station this is houston acr that

409  
00:18:49,909 --> 00:18:47,990  
thank you all participants with pine

410  
00:18:52,310 --> 00:18:49,919  
river back at schools