



1
00:00:07,030 --> 00:00:02,869
station this is houston are you ready

2
00:00:07,040 --> 00:00:12,110
you bet we're ready

3
00:00:18,470 --> 00:00:15,270
jscpao this is mission control houston

4
00:00:20,710 --> 00:00:18,480
please call station for a voice check

5
00:00:22,150 --> 00:00:20,720
station this is brandy dean from johnson

6
00:00:24,470 --> 00:00:22,160
space center's public affairs office and

7
00:00:26,230 --> 00:00:24,480
i've got the 14 members of the 2017

8
00:00:29,509 --> 00:00:26,240
astronaut candidate class how do you

9
00:00:34,389 --> 00:00:31,990
fantastic brandi great to be here with

10
00:00:39,030 --> 00:00:34,399
you today and and hello to all the 14

11
00:00:42,709 --> 00:00:40,549
they're saying hi if you can't hear them

12
00:00:44,549 --> 00:00:42,719
we've got on on the international space

13
00:00:46,389 --> 00:00:44,559

station we've got peggy whitson jack

14

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

fisher and randy bresnik thank you skye

15

00:00:49,750 --> 00:00:48,000

so much for taking time out to talk with

16

00:00:51,270 --> 00:00:49,760

us today

17

00:00:52,389 --> 00:00:51,280

and thanks to those of you joining us

18

00:00:54,869 --> 00:00:52,399

here at

19

00:00:56,470 --> 00:00:54,879

on nasa tv or on facebook we're excited

20

00:00:58,790 --> 00:00:56,480

to have you and to introduce you again

21

00:01:00,229 --> 00:00:58,800

to the new astronaut candidate class

22

00:01:02,389 --> 00:01:00,239

we'll be taking questions from reporters

23

00:01:03,830 --> 00:01:02,399

in social media later in the event so on

24

00:01:06,230 --> 00:01:03,840

social media you can be submitting your

25

00:01:09,030 --> 00:01:06,240

questions now using the hashtag ask nasa

26
00:01:10,149 --> 00:01:09,040
or in the comments section of the

27
00:01:11,270 --> 00:01:10,159
facebook

28
00:01:13,109 --> 00:01:11,280
live

29
00:01:14,630 --> 00:01:13,119
um so peggy jack and randy i know you

30
00:01:16,630 --> 00:01:14,640
haven't met these folks in person yet

31
00:01:18,390 --> 00:01:16,640
but i've got a room full of new

32
00:01:20,550 --> 00:01:18,400
co-workers here who are excited to talk

33
00:01:23,030 --> 00:01:20,560
to you um just to go through their names

34
00:01:26,469 --> 00:01:23,040
real quick we have starting over here

35
00:01:29,670 --> 00:01:26,479
caleb barron from richland washington

36
00:01:33,270 --> 00:01:29,680
zena cardman from williamsburg virginia

37
00:01:34,950 --> 00:01:33,280
raj achary from cedar falls iowa

38
00:01:37,429 --> 00:01:34,960

matthew dominic

39

00:01:40,069 --> 00:01:37,439
from wheat ridge colorado

40

00:01:41,749 --> 00:01:40,079
then bob hines from harrisburg

41

00:01:43,990 --> 00:01:41,759
pennsylvania

42

00:01:45,830 --> 00:01:44,000
and now up here on the second row woody

43

00:01:48,069 --> 00:01:45,840
hoberg from

44

00:01:51,990 --> 00:01:48,079
pittsburgh pennsylvania

45

00:01:55,830 --> 00:01:52,000
johnny kim from los angeles california

46

00:01:59,670 --> 00:01:55,840
rob colleen from anchorage alaska

47

00:02:03,429 --> 00:01:59,680
jasmine mcbelly from baldwin new york

48

00:02:06,950 --> 00:02:03,439
laurel o'hara from sugarland texas

49

00:02:08,790 --> 00:02:06,960
frank rubio from miami florida

50

00:02:10,070 --> 00:02:08,800
and jessica watkins from lafayette

51

00:02:11,350 --> 00:02:10,080

colorado

52

00:02:12,869 --> 00:02:11,360

and then we also have the two new

53

00:02:14,949 --> 00:02:12,879

canadian space agency astronaut

54

00:02:18,790 --> 00:02:14,959

candidates who will be joining the class

55

00:02:21,589 --> 00:02:18,800

uh jenny seidi from calgary alberta

56

00:02:23,830 --> 00:02:21,599

and joshua kutrick from beau ballen

57

00:02:24,949 --> 00:02:23,840

alberta

58

00:02:27,030 --> 00:02:24,959

all right

59

00:02:28,869 --> 00:02:27,040

peggy jack and randy i thought we could

60

00:02:30,470 --> 00:02:28,879

start out by letting y'all tell us a

61

00:02:31,670 --> 00:02:30,480

little bit about your time as astronaut

62

00:02:36,390 --> 00:02:31,680

candidates and then i think they have

63

00:02:42,790 --> 00:02:39,670

well astronaut candidacy was a long

64

00:02:48,869 --> 00:02:44,949

but i do remember being selected it was

65

00:02:50,390 --> 00:02:48,879

still very exciting uh that i found

66

00:02:52,070 --> 00:02:50,400

you know coming from a biology

67

00:02:54,390 --> 00:02:52,080

background some of the classes were

68

00:02:57,430 --> 00:02:54,400

pretty challenging for me some of them

69

00:02:59,030 --> 00:02:57,440

were pretty easy and you'll you'll each

70

00:03:01,270 --> 00:02:59,040

find that each of you will have

71

00:03:03,509 --> 00:03:01,280

different expertise and the thing i

72

00:03:05,350 --> 00:03:03,519

recommend is that you take advantage of

73

00:03:06,869 --> 00:03:05,360

each other's expertise and learn from

74

00:03:08,550 --> 00:03:06,879

each other

75

00:03:10,869 --> 00:03:08,560

i think the biggest strength of the

76

00:03:12,869 --> 00:03:10,879

astronaut office is the differences in

77

00:03:14,790 --> 00:03:12,879

our backgrounds and the ability to share

78

00:03:18,550 --> 00:03:14,800

this information to make all of us

79

00:03:22,390 --> 00:03:20,550

and i totally agree with this space

80

00:03:23,750 --> 00:03:22,400

ninja because

81

00:03:27,509 --> 00:03:23,760

she knows what the heck she's talking

82

00:03:29,350 --> 00:03:27,519

about um you you have to use the

83

00:03:32,229 --> 00:03:29,360

we got a heck of an echo

84

00:03:34,550 --> 00:03:32,239

you have to use everybody's gifts so

85

00:03:37,030 --> 00:03:34,560

some folks are going to be good with

86

00:03:37,830 --> 00:03:37,040

certain skills like driving a robot arm

87

00:03:49,910 --> 00:03:37,840

or

88

00:03:52,309 --> 00:03:49,920

skill set and you want to utilize those

89

00:03:53,910 --> 00:03:52,319

among all of you so it's an exciting

90

00:03:55,589 --> 00:03:53,920

time where you get to learn those new

91

00:03:57,589 --> 00:03:55,599

skills everybody's going to learn

92

00:04:00,630 --> 00:03:57,599

something new because nobody has all of

93

00:04:02,229 --> 00:04:00,640

that skill set it's very broad and then

94

00:04:03,910 --> 00:04:02,239

you go around one of the most

95

00:04:05,830 --> 00:04:03,920

interesting parts of ascan is going

96

00:04:08,949 --> 00:04:05,840

around all the different centers and

97

00:04:11,429 --> 00:04:08,959

seeing the whole entirety of the nasa

98

00:04:13,110 --> 00:04:11,439

mission and you get to understand how

99

00:04:16,150 --> 00:04:13,120

broad a scope

100

00:04:22,790 --> 00:04:16,160

nasa's mission is and all the different

101
00:04:27,590 --> 00:04:25,590
and what the part that stands out a

102
00:04:30,150 --> 00:04:27,600
great deal for me from my ascan training

103
00:04:32,469 --> 00:04:30,160
was uh that you mentioned the very

104
00:04:34,790 --> 00:04:32,479
backgrounds but that we all ended up at

105
00:04:36,629 --> 00:04:34,800
the same place where we were all flying

106
00:04:37,990 --> 00:04:36,639
in t-38s operationally proficient we

107
00:04:39,110 --> 00:04:38,000
were all trained to be able to do the

108
00:04:40,310 --> 00:04:39,120
science experience we were able to do

109
00:04:42,950 --> 00:04:40,320
the hardware experience understand

110
00:04:43,909 --> 00:04:42,960
astrophysics and from even from all the

111
00:04:46,790 --> 00:04:43,919
different backgrounds where we had

112
00:04:49,189 --> 00:04:46,800
astrophysicists to educators to pilots

113
00:04:50,710 --> 00:04:49,199

to medical doctors we were all able to

114

00:04:52,790 --> 00:04:50,720

come together and and train to be able

115

00:04:54,629 --> 00:04:52,800

to do the same stuff and it's neat how

116

00:04:56,710 --> 00:04:54,639

the different skill sets

117

00:05:01,029 --> 00:04:56,720

allow you to contribute to that end

118

00:05:04,390 --> 00:05:02,550

all right that sounds like some good

119

00:05:05,749 --> 00:05:04,400

advice to start out with and i think you

120

00:05:07,510 --> 00:05:05,759

all have some questions who's

121

00:05:08,550 --> 00:05:07,520

volunteering to go first you might say

122

00:05:12,310 --> 00:05:08,560

your name so they know who they're

123

00:05:15,110 --> 00:05:12,320

talking to hi everyone this is johnnycam

124

00:05:17,430 --> 00:05:15,120

and one thank you for your time and

125

00:05:18,710 --> 00:05:17,440

speaking with us and as

126

00:05:20,950 --> 00:05:18,720

you may already know

127

00:05:21,909 --> 00:05:20,960

ask can day one training was yesterday

128

00:05:24,469 --> 00:05:21,919

for us

129

00:05:28,310 --> 00:05:24,479

and we were fortunate enough to have a

130

00:05:38,550 --> 00:05:28,320

solar eclipse and i'm wondering we are

131

00:05:43,029 --> 00:05:41,189

it was really uh special to be able to

132

00:05:44,710 --> 00:05:43,039

share it with some friends up here but

133

00:05:47,430 --> 00:05:44,720

see it from the the opposite point of

134

00:05:49,110 --> 00:05:47,440

view that you know we get on earth um it

135

00:05:51,510 --> 00:05:49,120

was you know i think to a person it was

136

00:05:54,230 --> 00:05:51,520

much you know more impressive and larger

137

00:05:57,029 --> 00:05:54,240

in size and vibrating well

138

00:05:58,629 --> 00:05:57,039

in color uh in some ways uh than we

139

00:06:00,870 --> 00:05:58,639

expected and so that was really neat and

140

00:06:02,790 --> 00:06:00,880

then the fact that we were this beehive

141

00:06:04,790 --> 00:06:02,800

of activity of cameras and videos and

142

00:06:06,710 --> 00:06:04,800

lenses and everything for the three

143

00:06:08,550 --> 00:06:06,720

passes you know the one before the the

144

00:06:10,550 --> 00:06:08,560

shadow hit the ground in the u.s the one

145

00:06:13,029 --> 00:06:10,560

over the over the u.s and then the one

146

00:06:14,390 --> 00:06:13,039

afterwards we had the 85 eclipse that

147

00:06:16,150 --> 00:06:14,400

just really made it

148

00:06:17,590 --> 00:06:16,160

fun to be able to go okay we're getting

149

00:06:19,510 --> 00:06:17,600

shots from a different perspective than

150

00:06:21,110 --> 00:06:19,520

anybody else on the planet off the

151

00:06:22,629 --> 00:06:21,120

planet on our satellites or any

152

00:06:24,390 --> 00:06:22,639

observatories we're able to get and

153

00:06:25,590 --> 00:06:24,400

hopefully that was useful to you guys to

154

00:06:31,909 --> 00:06:25,600

be able to share in the experience from

155

00:06:35,350 --> 00:06:33,430

hey guys this is uh

156

00:06:37,350 --> 00:06:35,360

raj achari uh as we're about to start

157

00:06:38,950 --> 00:06:37,360

drinking from the fire hose of training

158

00:06:40,710 --> 00:06:38,960

here one of the questions i had was what

159

00:06:43,029 --> 00:06:40,720

uh now looking back what do you wish

160

00:06:44,950 --> 00:06:43,039

you'd pay more attention to in uh class

161

00:06:46,390 --> 00:06:44,960

is there a particular class or maybe an

162

00:06:52,309 --> 00:06:46,400

instructor that uh

163

00:06:57,110 --> 00:06:54,469

i think they do i think a really good

164

00:06:58,950 --> 00:06:57,120

job of training but

165

00:07:00,629 --> 00:06:58,960

everybody needs to know how to fix

166

00:07:03,029 --> 00:07:00,639

things and so

167

00:07:04,870 --> 00:07:03,039

you need to get good at using tools and

168

00:07:06,230 --> 00:07:04,880

knowing how to fix things

169

00:07:08,230 --> 00:07:06,240

that'll be an important part of your

170

00:07:09,830 --> 00:07:08,240

training so pay attention to that part

171

00:07:13,189 --> 00:07:09,840

of it it applies

172

00:07:15,029 --> 00:07:13,199

to every almost every system so

173

00:07:17,189 --> 00:07:15,039

and that's what we spend a lot of time

174

00:07:18,550 --> 00:07:17,199

doing and you can't be hesitant about

175

00:07:20,710 --> 00:07:18,560

taking something apart and putting it

176

00:07:24,309 --> 00:07:20,720

back together because that's a lot of

177

00:07:28,790 --> 00:07:26,870

hi this is jasmine montpelli

178

00:07:30,390 --> 00:07:28,800

first off it's so cool to be talking to

179

00:07:32,950 --> 00:07:30,400

you all right now

180

00:07:34,710 --> 00:07:32,960

questions specifically for jack and

181

00:07:37,029 --> 00:07:34,720

randy as

182

00:07:39,749 --> 00:07:37,039

military officers what were the

183

00:07:41,270 --> 00:07:39,759

similarities or differences between your

184

00:07:43,430 --> 00:07:41,280

previous military experience and

185

00:07:48,629 --> 00:07:43,440

training and the two years of ask can

186

00:07:53,670 --> 00:07:50,070

um i i think there's a lot of

187

00:07:55,749 --> 00:07:53,680

similarities for the field type of stuff

188

00:07:58,230 --> 00:07:55,759

where you go and do kind of the small

189

00:07:59,670 --> 00:07:58,240

group dynamics i think that's pretty

190

00:08:01,909 --> 00:07:59,680

similar

191

00:08:02,950 --> 00:08:01,919

i think the academics are a bit

192

00:08:04,950 --> 00:08:02,960

different

193

00:08:06,950 --> 00:08:04,960

because they're so

194

00:08:08,469 --> 00:08:06,960

much more diverse

195

00:08:10,390 --> 00:08:08,479

you cover a lot of things that you

196

00:08:13,029 --> 00:08:10,400

really just don't touch as

197

00:08:15,589 --> 00:08:13,039

military test pilots you know we really

198

00:08:16,710 --> 00:08:15,599

never worried about taking air samples

199

00:08:18,390 --> 00:08:16,720

uh but

200

00:08:21,830 --> 00:08:18,400

lo and behold you better know how to do

201
00:08:24,390 --> 00:08:21,840
that because otherwise and and i just i

202
00:08:26,710 --> 00:08:24,400
have a friend i heard about this guy who

203
00:08:28,390 --> 00:08:26,720
was floating around in the beam with

204
00:08:30,309 --> 00:08:28,400
samples going everywhere and it was a

205
00:08:31,990 --> 00:08:30,319
mess uh he probably should have paid

206
00:08:32,790 --> 00:08:32,000
more attention in that class

207
00:08:34,630 --> 00:08:32,800
uh

208
00:08:37,269 --> 00:08:34,640
so i think that

209
00:08:39,990 --> 00:08:37,279
that you you have a similar approach in

210
00:08:41,670 --> 00:08:40,000
that you really the mission is is the

211
00:08:42,389 --> 00:08:41,680
priority

212
00:08:46,150 --> 00:08:42,399
but

213
00:08:48,150 --> 00:08:46,160

you have more of a small group dynamics

214

00:08:49,269 --> 00:08:48,160

that you need to focus on

215

00:08:51,829 --> 00:08:49,279

because

216

00:08:54,470 --> 00:08:51,839

the mission is so diverse

217

00:08:57,590 --> 00:08:54,480

in nasa or on the space station that you

218

00:09:00,630 --> 00:08:57,600

know we can't say that our mission is to

219

00:09:03,829 --> 00:09:00,640

you know go take out this target it's

220

00:09:05,590 --> 00:09:03,839

our mission we have no idea from day to

221

00:09:08,870 --> 00:09:05,600

day week to week we don't know what the

222

00:09:10,949 --> 00:09:08,880

experiments are so nurturing the

223

00:09:12,870 --> 00:09:10,959

the relationships so that we're

224

00:09:16,790 --> 00:09:12,880

effective team no matter what they throw

225

00:09:18,630 --> 00:09:16,800

at us is is more important um

226

00:09:20,949 --> 00:09:18,640

and it and that's where there's a little

227

00:09:23,590 --> 00:09:20,959

bit of a difference so it's really the

228

00:09:25,590 --> 00:09:23,600

diversity of things that you look at

229

00:09:29,190 --> 00:09:25,600

that we just don't do in the military

230

00:09:31,960 --> 00:09:30,389

hi this is

231

00:09:34,470 --> 00:09:31,970

laura

232

00:09:38,470 --> 00:09:34,480

[Music]

233

00:09:41,590 --> 00:09:40,070

i'd say that the uh there are some

234

00:09:43,110 --> 00:09:41,600

similarities in in that you know the

235

00:09:44,470 --> 00:09:43,120

deployment stuff especially while you're

236

00:09:46,710 --> 00:09:44,480

asked can are a lot shorter you're

237

00:09:50,230 --> 00:09:46,720

talking weeks not months and and stuff

238

00:09:51,590 --> 00:09:50,240

like that um difference is you know now

239

00:09:53,269 --> 00:09:51,600

that you once you get to start training

240

00:09:54,949 --> 00:09:53,279

for a flight long duration mission you

241

00:09:57,110 --> 00:09:54,959

know i started heading over to russia in

242

00:09:57,990 --> 00:09:57,120

october of 2015

243

00:09:59,829 --> 00:09:58,000

and

244

00:10:02,630 --> 00:09:59,839

by the time i launched i had you know

245

00:10:03,670 --> 00:10:02,640

almost one year away from home

246

00:10:05,509 --> 00:10:03,680

between

247

00:10:08,310 --> 00:10:05,519

october 15 and

248

00:10:09,590 --> 00:10:08,320

july of 17. so in that case it's a lot

249

00:10:12,470 --> 00:10:09,600

more like military employment in the

250

00:10:16,310 --> 00:10:12,480

workups and so your family has to be you

251
00:10:18,230 --> 00:10:16,320
know prepared and ready for that

252
00:10:19,430 --> 00:10:18,240
you know by the time i get home it'll be

253
00:10:22,230 --> 00:10:19,440
you know well over

254
00:10:23,990 --> 00:10:22,240
a year within within two years so um the

255
00:10:25,750 --> 00:10:24,000
good news is is you got great

256
00:10:27,269 --> 00:10:25,760
communication the technology we have to

257
00:10:29,350 --> 00:10:27,279
be able to when you're deployed for the

258
00:10:31,430 --> 00:10:29,360
training or here on orbit is phenomenal

259
00:10:34,069 --> 00:10:31,440
compared to you know military deployment

260
00:10:36,389 --> 00:10:34,079
um but as always it's it's your family

261
00:10:38,630 --> 00:10:36,399
at home that carries the load uh and

262
00:10:40,389 --> 00:10:38,640
makes it possible for you to do this um

263
00:10:42,710 --> 00:10:40,399

i'm gonna you know be up here in

264

00:10:43,990 --> 00:10:42,720

november when my daughter turns eight i

265

00:10:45,430 --> 00:10:44,000

will have been up here in space for two

266

00:10:46,710 --> 00:10:45,440

of my daughter's birthdays and that's

267

00:10:47,590 --> 00:10:46,720

you know that's tough

268

00:10:49,670 --> 00:10:47,600

um

269

00:10:51,750 --> 00:10:49,680

and if i may take a moment today is my

270

00:10:54,790 --> 00:10:51,760

anniversary with my wife i want to thank

271

00:10:57,590 --> 00:10:54,800

my amazing wife rebecca for 14 wonderful

272

00:10:59,590 --> 00:10:57,600

years i love you and i wish i was there

273

00:11:01,110 --> 00:10:59,600

today to share it with you and jeff

274

00:11:06,230 --> 00:11:01,120

everybody needs to know that i am one

275

00:11:10,550 --> 00:11:08,310

hi this is laurel o'hara thanks for

276

00:11:12,790 --> 00:11:10,560

talking to us again and i was wondering

277

00:11:14,230 --> 00:11:12,800

um in your ascan training what was your

278

00:11:20,790 --> 00:11:14,240

favorite part of the training and then

279

00:11:26,230 --> 00:11:23,750

uh my favorite part i think was flying

280

00:11:28,310 --> 00:11:26,240

t-38s i think that was very challen you

281

00:11:29,910 --> 00:11:28,320

know interesting fun challenging i

282

00:11:32,630 --> 00:11:29,920

really enjoyed that

283

00:11:35,990 --> 00:11:32,640

and i really enjoyed also the eba

284

00:11:37,750 --> 00:11:36,000

training again challenging uh but it

285

00:11:39,350 --> 00:11:37,760

makes you feel like hey i might be an

286

00:11:41,590 --> 00:11:39,360

astronaut someday

287

00:11:42,630 --> 00:11:41,600

and the worst part for me the most

288

00:11:46,310 --> 00:11:42,640

challenging

289

00:11:48,949 --> 00:11:46,320

difficult not not in a positive way

290

00:11:50,389 --> 00:11:48,959

was russian language uh i just don't

291

00:11:53,030 --> 00:11:50,399

have i'm still searching for the

292

00:11:55,030 --> 00:11:53,040

language center in my brain and we

293

00:11:56,710 --> 00:11:55,040

really haven't connected well

294

00:11:59,030 --> 00:11:56,720

so it's something that

295

00:12:00,949 --> 00:11:59,040

i will always struggle with

296

00:12:03,030 --> 00:12:00,959

and it's just not it doesn't come easy

297

00:12:12,949 --> 00:12:03,040

for me and i spend a lot of time on it

298

00:12:16,150 --> 00:12:14,710

we could are we going to do everybody

299

00:12:18,949 --> 00:12:16,160

answer every question are you just going

300

00:12:20,310 --> 00:12:18,959

to press on to the next one

301
00:12:26,550 --> 00:12:20,320
i think we've got another one ready for

302
00:12:30,550 --> 00:12:28,870
hi this is jessica watkins and again i

303
00:12:31,990 --> 00:12:30,560
just want to echo what a privilege it is

304
00:12:34,230 --> 00:12:32,000
to be able to speak with you today so

305
00:12:37,269 --> 00:12:34,240
thank you for your time um this question

306
00:12:40,230 --> 00:12:37,279
actually is is back to peggy again um

307
00:12:43,030 --> 00:12:40,240
we're just wondering um kind of the the

308
00:12:45,990 --> 00:12:43,040
transition that you have experienced our

309
00:12:48,030 --> 00:12:46,000
class has um a lot of women in it and

310
00:12:51,509 --> 00:12:48,040
recently um the the

311
00:12:53,350 --> 00:12:51,519
2013 class as well had a large number of

312
00:12:54,629 --> 00:12:53,360
women in it and so we're just wondering

313
00:12:57,430 --> 00:12:54,639

um what

314

00:12:59,750 --> 00:12:57,440

aspects of training maybe um has have

315

00:13:01,590 --> 00:12:59,760

seen that transition or just kind of

316

00:13:03,350 --> 00:13:01,600

advices you have advice that you may

317

00:13:07,670 --> 00:13:03,360

have as a woman going through this

318

00:13:15,030 --> 00:13:10,629

well i think my advice uh to you as

319

00:13:15,829 --> 00:13:15,040

women and to any of you uh candidates is

320

00:13:18,150 --> 00:13:15,839

really

321

00:13:20,470 --> 00:13:18,160

you've got to work hard

322

00:13:21,750 --> 00:13:20,480

and i think that the most important

323

00:13:23,750 --> 00:13:21,760

thing that you're going to find in the

324

00:13:25,350 --> 00:13:23,760

first few years but actually in your

325

00:13:26,790 --> 00:13:25,360

career as a whole

326

00:13:28,069 --> 00:13:26,800

is that

327

00:13:29,430 --> 00:13:28,079

you know there's a lot of things you

328

00:13:32,550 --> 00:13:29,440

won't understand

329

00:13:33,509 --> 00:13:32,560

uh but it's okay to ask questions to a

330

00:13:35,509 --> 00:13:33,519

point

331

00:13:36,870 --> 00:13:35,519

there is a limit

332

00:13:38,870 --> 00:13:36,880

and but

333

00:13:41,269 --> 00:13:38,880

understand and make you

334

00:13:43,350 --> 00:13:41,279

make your ideas known as well too

335

00:13:45,350 --> 00:13:43,360

because once you once you have a feel

336

00:13:47,829 --> 00:13:45,360

after you've gone through for a year or

337

00:13:49,829 --> 00:13:47,839

two and you figure out what's happening

338

00:13:51,430 --> 00:13:49,839

and what's going on

339

00:13:53,189 --> 00:13:51,440

you'll be seeing things that you're

340

00:13:55,110 --> 00:13:53,199

thinking why don't we fix this or why

341

00:13:57,750 --> 00:13:55,120

don't we fix that well take some

342

00:14:00,230 --> 00:13:57,760

responsibility and help people fix it

343

00:14:02,069 --> 00:14:00,240

come up with solutions and don't be the

344

00:14:05,110 --> 00:14:02,079

person that's just always asking why

345

00:14:07,350 --> 00:14:05,120

don't we be the person that helps find

346

00:14:09,990 --> 00:14:07,360

answers helps find solutions helps find

347

00:14:12,230 --> 00:14:10,000

the better way to get things done and i

348

00:14:18,310 --> 00:14:12,240

think it doesn't matter what your sex is

349

00:14:22,069 --> 00:14:20,710

this is caleb thanks for your time this

350

00:14:23,750 --> 00:14:22,079

morning

351

00:14:25,269 --> 00:14:23,760

you guys touched on the importance of

352

00:14:27,110 --> 00:14:25,279

teamwork and one of the most exciting

353

00:14:29,030 --> 00:14:27,120

things about this week for us i think is

354

00:14:30,870 --> 00:14:29,040

having jenny and josh here in our class

355

00:14:32,790 --> 00:14:30,880

being complete i was wondering if you

356

00:14:34,870 --> 00:14:32,800

guys had any advice on working with our

357

00:14:37,430 --> 00:14:34,880

international partners or any fun

358

00:14:43,509 --> 00:14:37,440

anecdotes about getting used to those

359

00:14:47,590 --> 00:14:45,750

well so we have italian colors on

360

00:14:50,550 --> 00:14:47,600

because we have the italian stallion

361

00:14:53,110 --> 00:14:50,560

down the down the hall here uh

362

00:14:55,509 --> 00:14:53,120

it's important it's really important and

363

00:14:58,389 --> 00:14:55,519

it's not only important to learn the

364

00:15:00,470 --> 00:14:58,399

language which i remember peggy saying

365

00:15:01,509 --> 00:15:00,480

russian is only tough for the first 10

366

00:15:03,990 --> 00:15:01,519

years

367

00:15:06,310 --> 00:15:04,000

which i still got a few to go

368

00:15:08,870 --> 00:15:06,320

uh it's not just the language it's the

369

00:15:11,509 --> 00:15:08,880

culture and understanding

370

00:15:13,430 --> 00:15:11,519

what drives each culture and and the

371

00:15:15,829 --> 00:15:13,440

background of a person it's it's no

372

00:15:17,990 --> 00:15:15,839

different from how you would figure out

373

00:15:20,310 --> 00:15:18,000

how to get along with anybody in a in a

374

00:15:23,430 --> 00:15:20,320

small group dynamic um

375

00:15:25,430 --> 00:15:23,440

but the culture and the traditions that

376

00:15:29,189 --> 00:15:25,440

help make a person who they are are

377

00:15:31,030 --> 00:15:29,199

important to understand and embrace and

378

00:15:33,910 --> 00:15:31,040

we've we've definitely done that with

379

00:15:35,910 --> 00:15:33,920

our our russian crewmates um it's

380

00:15:37,430 --> 00:15:35,920

pivotal to understand where they're

381

00:15:39,509 --> 00:15:37,440

coming from and how they're going to

382

00:15:42,230 --> 00:15:39,519

react to a situation

383

00:15:44,790 --> 00:15:42,240

is to understand their background so

384

00:15:46,470 --> 00:15:44,800

uh it's one of the most important things

385

00:15:49,590 --> 00:15:46,480

that you're gonna do

386

00:15:51,110 --> 00:15:49,600

and it's it's it's key to your success

387

00:15:53,430 --> 00:15:51,120

of being able to work with all the

388

00:16:00,470 --> 00:15:53,440

international partners which this is an

389

00:16:03,749 --> 00:16:01,990

all right and for the Canadians you

390

00:16:05,670 --> 00:16:03,759

gotta you know

391

00:16:10,069 --> 00:16:05,680

uh never mind

392

00:16:17,269 --> 00:16:12,389

no we got we got Canadians of our own

393

00:16:21,189 --> 00:16:19,430

all right um well this is Rob so little

394

00:16:22,629 --> 00:16:21,199

north of Canada or these parts of Canada

395

00:16:25,030 --> 00:16:22,639

i guess

396

00:16:25,910 --> 00:16:25,040

it's really good to see you guys

397

00:16:27,829 --> 00:16:25,920

but

398

00:16:28,629 --> 00:16:27,839

i guess you know you're on station now

399

00:16:31,749 --> 00:16:28,639

so

400

00:16:34,389 --> 00:16:31,759

the most challenging times you've had on

401
00:16:36,069 --> 00:16:34,399
station and reflect on that back to

402
00:16:37,269 --> 00:16:36,079
your time during afghan training and

403
00:16:38,470 --> 00:16:37,279
what uh

404
00:16:39,670 --> 00:16:38,480
you know what kind of parallels you have

405
00:16:46,790 --> 00:16:39,680
there what ascan brought to that

406
00:16:46,800 --> 00:16:50,389
i think

407
00:16:53,829 --> 00:16:52,069
jack just pointed out i had to live with

408
00:16:56,470 --> 00:16:53,839
him for two months it's probably my most

409
00:16:58,389 --> 00:16:56,480
challenging situation but no actually

410
00:17:00,949 --> 00:16:58,399
i think probably the most challenging

411
00:17:03,269 --> 00:17:00,959
situation i had was

412
00:17:04,630 --> 00:17:03,279
we had a shuttle docked and we were

413
00:17:06,230 --> 00:17:04,640

deploying a

414

00:17:08,789 --> 00:17:06,240

a solar array

415

00:17:10,470 --> 00:17:08,799

after we had retracted the arrays on a

416

00:17:11,669 --> 00:17:10,480

previous

417

00:17:14,069 --> 00:17:11,679

time frame

418

00:17:15,990 --> 00:17:14,079

and during the deploy we tore it

419

00:17:17,029 --> 00:17:16,000

the array

420

00:17:19,270 --> 00:17:17,039

and

421

00:17:21,270 --> 00:17:19,280

we had to come up with the plan the

422

00:17:23,590 --> 00:17:21,280

ground team did a phenomenal job they

423

00:17:25,909 --> 00:17:23,600

came up with a plan uh

424

00:17:28,230 --> 00:17:25,919

to fix it but in that course of the four

425

00:17:30,230 --> 00:17:28,240

days and we had some of the most sporty

426

00:17:33,750 --> 00:17:30,240

robotics going on

427

00:17:36,310 --> 00:17:33,760

uh we had you know an interesting ifm i

428

00:17:38,950 --> 00:17:36,320

got to build some uh what they called

429

00:17:41,190 --> 00:17:38,960

cufflinks to hold the solar array

430

00:17:44,230 --> 00:17:41,200

together and then we had to put the

431

00:17:46,950 --> 00:17:44,240

tallest eba guy we had on the end of an

432

00:17:49,830 --> 00:17:46,960

arm that was extended with a

433

00:17:52,710 --> 00:17:49,840

a shuttle arm as well

434

00:17:54,230 --> 00:17:52,720

and we were able to accomplish it

435

00:17:56,070 --> 00:17:54,240

i think

436

00:17:57,750 --> 00:17:56,080

that that time frame was very

437

00:17:59,430 --> 00:17:57,760

challenging we knew we couldn't undock

438

00:18:00,549 --> 00:17:59,440

the shuttle

439

00:18:02,710 --> 00:18:00,559

with

440

00:18:04,789 --> 00:18:02,720

a torn solar array we'd either have to

441

00:18:06,710 --> 00:18:04,799

jettison and we knew we couldn't retract

442

00:18:09,590 --> 00:18:06,720

it because it was torn

443

00:18:11,190 --> 00:18:09,600

so it was it was very

444

00:18:12,950 --> 00:18:11,200

interesting time for us you know

445

00:18:14,710 --> 00:18:12,960

stressful in the sense that we knew we

446

00:18:16,310 --> 00:18:14,720

had to have a solution

447

00:18:18,870 --> 00:18:16,320

so i guess that would be the most

448

00:18:20,630 --> 00:18:18,880

challenging time but the the the

449

00:18:22,390 --> 00:18:20,640

great part was

450

00:18:25,750 --> 00:18:22,400

that the ground team came up with just a

451

00:18:29,430 --> 00:18:27,590

i think that may be just about all we

452

00:18:31,990 --> 00:18:29,440

have time for with the crew before we

453

00:18:33,990 --> 00:18:32,000

lose them so maybe just one one last

454

00:18:35,750 --> 00:18:34,000

goodbye and thank you from the from the

455

00:18:37,750 --> 00:18:35,760

team here on the ground

456

00:18:44,470 --> 00:18:37,760

and we really appreciate you taking out

457

00:18:49,669 --> 00:18:47,029

thanks for having us and uh good luck to

458

00:18:54,950 --> 00:18:49,679

you in in your careers and we can't wait

459

00:18:59,909 --> 00:18:56,710

station this is houston acr that

460

00:19:06,150 --> 00:19:02,950

thank you jscpao and all nasa astronaut

461

00:19:08,830 --> 00:19:06,160

class of 2017 participants

462

00:19:19,909 --> 00:19:08,840

we are now resuming operational audio

463

00:19:38,070 --> 00:19:21,990

we'll take questions

464

00:19:41,750 --> 00:19:39,990

okay so now we are going to take some

465

00:19:43,190 --> 00:19:41,760

time for you to ask these guys questions

466

00:19:45,430 --> 00:19:43,200

get to know them a little bit better as

467

00:19:48,470 --> 00:19:45,440

well um we are you're taking questions

468

00:19:50,710 --> 00:19:48,480

online via social media you can use the

469

00:19:52,870 --> 00:19:50,720

ask nasa or just comment in the facebook

470

00:19:54,630 --> 00:19:52,880

live if you're participating that way

471

00:19:57,029 --> 00:19:54,640

and if you're a reporter on the phone

472

00:19:59,029 --> 00:19:57,039

you can press star one if you have a

473

00:20:00,950 --> 00:19:59,039

question and uh star two if it gets

474

00:20:02,470 --> 00:20:00,960

answered we'll call on you um and then

475

00:20:04,789 --> 00:20:02,480

we also have here in the room with us

476
00:20:07,270 --> 00:20:04,799
some interns from johnson space center

477
00:20:08,630 --> 00:20:07,280
who also just started here at nasa

478
00:20:09,669 --> 00:20:08,640
yesterday so you all have something in

479
00:20:10,789 --> 00:20:09,679
common

480
00:20:12,310 --> 00:20:10,799
but we already have been getting

481
00:20:14,549 --> 00:20:12,320
questions online so we'll start with

482
00:20:16,710 --> 00:20:14,559
them um

483
00:20:18,630 --> 00:20:16,720
we'll start with jennifer from facebook

484
00:20:22,870 --> 00:20:18,640
who wants to know what jobs you'll be

485
00:20:27,669 --> 00:20:24,870
yeah i'll start um so our job for the

486
00:20:29,510 --> 00:20:27,679
first two years really is uh just to

487
00:20:31,990 --> 00:20:29,520
learn we have a lot to learn we're going

488
00:20:34,070 --> 00:20:32,000

to be professional sponges

489

00:20:36,310 --> 00:20:34,080

so the training includes everything from

490

00:20:40,070 --> 00:20:36,320

learning the russian language like peggy

491

00:20:41,750 --> 00:20:40,080

talked about uh two flying t-38 jets um

492

00:20:43,590 --> 00:20:41,760

learning all of the techniques for space

493

00:20:45,270 --> 00:20:43,600

walking and all of the engineering

494

00:20:47,110 --> 00:20:45,280

systems onboard the international space

495

00:20:49,270 --> 00:20:47,120

station so that's our job for the first

496

00:20:52,549 --> 00:20:49,280

two years and then we'll get assigned

497

00:20:57,110 --> 00:20:55,350

all right and uh manuel from facebook

498

00:20:59,110 --> 00:20:57,120

asked how can he be an astronaut in the

499

00:21:03,270 --> 00:20:59,120

future so any tips for for how to get

500

00:21:06,070 --> 00:21:04,789

so i think there's uh obviously if you

501
00:21:07,590 --> 00:21:06,080
just look around our class there's a

502
00:21:09,110 --> 00:21:07,600
whole different pattern of different

503
00:21:11,029 --> 00:21:09,120
paths to wind up being an astronaut so

504
00:21:12,390 --> 00:21:11,039
there's not one answer to that question

505
00:21:13,510 --> 00:21:12,400
i think what all the share in common

506
00:21:15,350 --> 00:21:13,520
though is we all did stuff that we

507
00:21:17,350 --> 00:21:15,360
really enjoyed doing

508
00:21:19,510 --> 00:21:17,360
i think having a stem background at some

509
00:21:21,430 --> 00:21:19,520
point in your education is a that's

510
00:21:23,430 --> 00:21:21,440
probably the one

511
00:21:24,789 --> 00:21:23,440
thing you need to do beyond that i think

512
00:21:26,789 --> 00:21:24,799
it's a matter of becoming passionate

513
00:21:29,190 --> 00:21:26,799

about what your job is and becoming the

514

00:21:30,470 --> 00:21:29,200

expert and and continue to do great

515

00:21:32,630 --> 00:21:30,480

things in it

516

00:21:35,350 --> 00:21:32,640

and you know there's military paths

517

00:21:37,669 --> 00:21:35,360

there's non-military paths uh but really

518

00:21:40,310 --> 00:21:37,679

it's just about enjoying what you do

519

00:21:41,750 --> 00:21:40,320

and you know trying to continue doing

520

00:21:43,830 --> 00:21:41,760

that and trying to continue challenging

521

00:21:45,110 --> 00:21:43,840

yourself maybe going to do things that

522

00:21:47,110 --> 00:21:45,120

maybe are a little uncomfortable for you

523

00:21:51,990 --> 00:21:47,120

to do and expand

524

00:21:55,750 --> 00:21:54,070

sounds good okay

525

00:21:57,110 --> 00:21:55,760

let me know if you have a question here

526
00:21:58,549 --> 00:21:57,120
in the room and we'll get a microphone

527
00:22:01,029 --> 00:21:58,559
around to you but while you're thinking

528
00:22:02,630 --> 00:22:01,039
about it another question from facebook

529
00:22:05,190 --> 00:22:02,640
this is from jace and he says hi

530
00:22:06,630 --> 00:22:05,200
astronaut candidates and what part of

531
00:22:11,590 --> 00:22:06,640
astronaut training are you most excited

532
00:22:14,789 --> 00:22:13,190
matthew dominic here really excited

533
00:22:16,789 --> 00:22:14,799
about hopping in the pool and uh

534
00:22:18,470 --> 00:22:16,799
simulating spacewalks and just working

535
00:22:20,710 --> 00:22:18,480
with teams of people as we try and solve

536
00:22:22,630 --> 00:22:20,720
problems uh here on earth and train and

537
00:22:24,830 --> 00:22:22,640
get better at doing spacewalks for when

538
00:22:26,710 --> 00:22:24,840

we do it for real

539

00:22:28,630 --> 00:22:26,720

okay all right looks like we have a

540

00:22:36,310 --> 00:22:28,640

question here in the audience i can get

541

00:22:40,390 --> 00:22:38,710

hi uh my name is paramita and i'm a

542

00:22:43,029 --> 00:22:40,400

current intern in the human interface

543

00:22:44,870 --> 00:22:43,039

branch here at nasa johnson and my

544

00:22:47,590 --> 00:22:44,880

question for you i'm going to kind of

545

00:22:50,470 --> 00:22:47,600

make it a research data point for myself

546

00:22:52,549 --> 00:22:50,480

i work with future ar technologies for

547

00:22:55,510 --> 00:22:52,559

the next generation spacesuit so

548

00:22:57,750 --> 00:22:55,520

as former pilots and people who have to

549

00:22:59,190 --> 00:22:57,760

have a high situational awareness

550

00:23:01,830 --> 00:22:59,200

at all times i know not all of you are

551
00:23:03,270 --> 00:23:01,840
former pilots but um some of you are

552
00:23:04,630 --> 00:23:03,280
and then people who are going to be

553
00:23:05,830 --> 00:23:04,640
going through training with lots of

554
00:23:07,590 --> 00:23:05,840
workload

555
00:23:08,549 --> 00:23:07,600
what are some technologies that you guys

556
00:23:10,310 --> 00:23:08,559
would

557
00:23:17,029 --> 00:23:10,320
want to implement in a next-generation

558
00:23:21,270 --> 00:23:18,710
so coming from the

559
00:23:22,870 --> 00:23:21,280
the f-35 there's a number of so one of

560
00:23:24,789 --> 00:23:22,880
the challenges is the right mix of

561
00:23:26,789 --> 00:23:24,799
autonomy and human interface and so

562
00:23:28,950 --> 00:23:26,799
that's still an ongoing and as obviously

563
00:23:30,310 --> 00:23:28,960

you're doing an ongoing area of research

564

00:23:32,149 --> 00:23:30,320

i think some of the successful things

565

00:23:34,549 --> 00:23:32,159

have been you know the more you can keep

566

00:23:35,669 --> 00:23:34,559

in what's the conscious field of view uh

567

00:23:38,070 --> 00:23:35,679

and in

568

00:23:41,269 --> 00:23:38,080

whether that be a helmet or your eye

569

00:23:43,269 --> 00:23:41,279

trackers uh 360 degree audio is a huge

570

00:23:44,630 --> 00:23:43,279

tool so using your ear the way it was

571

00:23:45,830 --> 00:23:44,640

designed to and knowing exactly where

572

00:23:48,149 --> 00:23:45,840

sound is coming from as you're

573

00:23:50,070 --> 00:23:48,159

simulating sounds is a useful tool and

574

00:23:51,830 --> 00:23:50,080

then some of the technology i know nasa

575

00:23:53,590 --> 00:23:51,840

is developing with you know checklist

576

00:23:54,870 --> 00:23:53,600

assistance and you know there's a

577

00:23:56,950 --> 00:23:54,880

certain level of automation that can be

578

00:23:58,630 --> 00:23:56,960

too much uh and but the certain level of

579

00:24:00,789 --> 00:23:58,640

automation that you want to have happen

580

00:24:02,310 --> 00:24:00,799

and uh part of that is a personal blend

581

00:24:04,390 --> 00:24:02,320

so one of the things we've struggled

582

00:24:05,430 --> 00:24:04,400

with uh in the air forces you know

583

00:24:06,470 --> 00:24:05,440

having to tailor that to different

584

00:24:07,510 --> 00:24:06,480

people because everyone's different so

585

00:24:08,870 --> 00:24:07,520

that's that's gotta be part of your

586

00:24:10,630 --> 00:24:08,880

solution it has to be tailorable it's

587

00:24:12,549 --> 00:24:10,640

not you know all 14 of us are different

588

00:24:14,310 --> 00:24:12,559

so what works for me may not work at all

589

00:24:16,230 --> 00:24:14,320

for xena and so there has to be some

590

00:24:20,789 --> 00:24:16,240

aspect where you can you can adjust it

591

00:24:25,190 --> 00:24:23,350

one thing that i found interesting is um

592

00:24:27,430 --> 00:24:25,200

we obviously haven't done any evas yet

593

00:24:29,590 --> 00:24:27,440

but the people that have and when they

594

00:24:30,950 --> 00:24:29,600

describe it they describe it as it's

595

00:24:33,669 --> 00:24:30,960

about the same effort as running a

596

00:24:35,669 --> 00:24:33,679

marathon and yet there's no sustainment

597

00:24:38,470 --> 00:24:35,679

really built into it as far as hydration

598

00:24:39,830 --> 00:24:38,480

and you know uh fuel

599

00:24:42,470 --> 00:24:39,840

and yet nobody goes out and runs a

600

00:24:44,470 --> 00:24:42,480

marathon without hydrating and

601
00:24:46,470 --> 00:24:44,480
eating every couple miles and so

602
00:24:47,909 --> 00:24:46,480
something that does that while

603
00:24:49,590 --> 00:24:47,919
maintaining the integrity of the

604
00:24:52,710 --> 00:24:49,600
spacesuit i think would would be an

605
00:24:57,029 --> 00:24:54,230
all right i have another question uh

606
00:24:58,630 --> 00:24:57,039
from facebook uh this one's uh this

607
00:24:59,909 --> 00:24:58,640
one's kind of interesting uh what do you

608
00:25:02,310 --> 00:24:59,919
think your number one quality that

609
00:25:04,149 --> 00:25:02,320
attracted the nasa selection board was

610
00:25:05,350 --> 00:25:04,159
and how did you highlight it as on your

611
00:25:06,310 --> 00:25:05,360
resume or as you were doing your

612
00:25:07,669 --> 00:25:06,320
interviews

613
00:25:09,269 --> 00:25:07,679

i know the process also was a little

614

00:25:11,190 --> 00:25:09,279

different for the canadians as well so

615

00:25:15,110 --> 00:25:11,200

maybe we can get nasa's perspective and

616

00:25:18,070 --> 00:25:16,950

so i think again the canadian process is

617

00:25:20,070 --> 00:25:18,080

a little different than the american

618

00:25:21,190 --> 00:25:20,080

process but i can speak to my experience

619

00:25:23,430 --> 00:25:21,200

and

620

00:25:24,549 --> 00:25:23,440

probably the thing that that i hope

621

00:25:25,510 --> 00:25:24,559

stood out

622

00:25:28,070 --> 00:25:25,520

during

623

00:25:29,990 --> 00:25:28,080

our selection was determination and

624

00:25:31,669 --> 00:25:30,000

resilience because you're really put

625

00:25:33,430 --> 00:25:31,679

through your paces in the selection

626
00:25:34,710 --> 00:25:33,440
process and something that

627
00:25:35,590 --> 00:25:34,720
um

628
00:26:21,990 --> 00:25:35,600
i

629
00:26:24,870 --> 00:26:22,000
you've always demonstrated an eagerness

630
00:26:26,630 --> 00:26:24,880
when faced with new tasks new challenges

631
00:26:28,390 --> 00:26:26,640
to really dive into them head first and

632
00:26:29,590 --> 00:26:28,400
and to go through what you have to go

633
00:26:31,029 --> 00:26:29,600
through to get really really good at

634
00:26:32,630 --> 00:26:31,039
whatever it is that that you're

635
00:26:35,190 --> 00:26:32,640
interested in and whatever it is that

636
00:26:37,669 --> 00:26:35,200
you're doing because here starting these

637
00:26:39,590 --> 00:26:37,679
two years with with this group um it's

638
00:26:42,230 --> 00:26:39,600

all new and there's you know you don't

639

00:26:44,390 --> 00:26:42,240

go to university anywhere um before this

640

00:26:47,110 --> 00:26:44,400

to learn how to be an astronaut so so

641

00:26:49,669 --> 00:26:47,120

that's pretty important

642

00:26:51,029 --> 00:26:49,679

and uh just a reminder for uh reporters

643

00:26:52,710 --> 00:26:51,039

who are on the phone you can press star

644

00:26:54,710 --> 00:26:52,720

one if you have a question to let us

645

00:26:56,230 --> 00:26:54,720

know and we'll we'll come to you but i

646

00:26:57,990 --> 00:26:56,240

think we have a question now from mark

647

00:26:59,510 --> 00:26:58,000

caro here in the room and mark if you

648

00:27:01,269 --> 00:26:59,520

can address it to a particular person so

649

00:27:03,110 --> 00:27:01,279

they know who to who should answer it

650

00:27:04,950 --> 00:27:03,120

that'd be great

651

00:27:07,990 --> 00:27:04,960

yeah i'm gonna fail at that part this is

652

00:27:09,990 --> 00:27:08,000

mark caro from aviation week i i found

653

00:27:11,510 --> 00:27:10,000

the last comment very interesting about

654

00:27:12,310 --> 00:27:11,520

your backgrounds

655

00:27:15,029 --> 00:27:12,320

and

656

00:27:17,029 --> 00:27:15,039

so my question is this

657

00:27:18,950 --> 00:27:17,039

some military some scientists some

658

00:27:21,029 --> 00:27:18,960

engineers

659

00:27:24,070 --> 00:27:21,039

how are you going to stay in touch with

660

00:27:26,870 --> 00:27:24,080

your core professions now that you're

661

00:27:29,750 --> 00:27:26,880

astronauts or do you feel comfortable

662

00:27:31,830 --> 00:27:29,760

that you can sort of let go of that

663

00:27:33,590 --> 00:27:31,840

at this point

664

00:27:35,909 --> 00:27:33,600

thanks

665

00:27:36,710 --> 00:27:35,919

yeah this is uh bob hines uh talking to

666

00:27:38,149 --> 00:27:36,720

uh

667

00:27:39,430 --> 00:27:38,159

i i think that's a great question and

668

00:27:41,029 --> 00:27:39,440

that's something that uh that we

669

00:27:42,630 --> 00:27:41,039

challenge uh we're challenged with in

670

00:27:43,909 --> 00:27:42,640

the astronaut office i've been here for

671

00:27:45,269 --> 00:27:43,919

five years and so i've seen this a

672

00:27:46,870 --> 00:27:45,279

little bit

673

00:27:48,710 --> 00:27:46,880

still from the outside looking in so

674

00:27:51,190 --> 00:27:48,720

i'll see it from a different perspective

675

00:27:52,950 --> 00:27:51,200

now but i think the great thing with

676
00:27:55,510 --> 00:27:52,960
nasa and the astronaut office is one of

677
00:27:58,149 --> 00:27:55,520
the big things we do is outreach

678
00:28:00,070 --> 00:27:58,159
we tend to do that a lot to

679
00:28:01,909 --> 00:28:00,080
school age kids and things like that but

680
00:28:03,990 --> 00:28:01,919
one of the other aspects of that is

681
00:28:05,990 --> 00:28:04,000
getting to talk to uh the professionals

682
00:28:07,430 --> 00:28:06,000
that are out there and the other uh the

683
00:28:09,190 --> 00:28:07,440
other entities that touch the

684
00:28:10,710 --> 00:28:09,200
technologies that we'll be doing or that

685
00:28:12,789 --> 00:28:10,720
we need developed in order to help us

686
00:28:14,470 --> 00:28:12,799
out so that's that's pretty huge

687
00:28:16,389 --> 00:28:14,480
but also going back to the communities

688
00:28:18,310 --> 00:28:16,399

where we all come from and that's that's

689

00:28:19,669 --> 00:28:18,320

really important it gets more and more

690

00:28:21,190 --> 00:28:19,679

challenging as our numbers as an

691

00:28:23,029 --> 00:28:21,200

astronaut corps get

692

00:28:24,710 --> 00:28:23,039

get pretty small

693

00:28:26,549 --> 00:28:24,720

but fortunately i think our class is

694

00:28:28,230 --> 00:28:26,559

going to be like 25 of the astronaut

695

00:28:29,830 --> 00:28:28,240

office by the time we're done so

696

00:28:30,710 --> 00:28:29,840

hopefully we'll help the cause to that

697

00:28:33,590 --> 00:28:30,720

and

698

00:28:36,950 --> 00:28:33,600

help the outreach

699

00:28:42,310 --> 00:28:40,149

all right i've got another question here

700

00:28:44,389 --> 00:28:42,320

hi my name is holly i'm interning here

701
00:28:46,230 --> 00:28:44,399
at johnson i have a question

702
00:28:48,710 --> 00:28:46,240
for the women

703
00:28:49,909 --> 00:28:48,720
you asked peggy about

704
00:28:52,310 --> 00:28:49,919
how to

705
00:28:54,630 --> 00:28:52,320
you know the challenges of being a woman

706
00:28:56,389 --> 00:28:54,640
as an astronaut do you have any advice

707
00:28:58,389 --> 00:28:56,399
for young women who are just emerging in

708
00:29:00,230 --> 00:28:58,399
the stem field on

709
00:29:05,669 --> 00:29:00,240
you know being successful and making a

710
00:29:09,909 --> 00:29:08,470
okay um jasmine mcbelly here so

711
00:29:14,149 --> 00:29:09,919
um

712
00:29:16,549 --> 00:29:14,159
probably myself as you know a marine

713
00:29:17,909 --> 00:29:16,559

corps cobra pilot and uh being in a stem

714

00:29:19,909 --> 00:29:17,919

background certainly been in fields

715

00:29:22,630 --> 00:29:19,919

where that are male dominated for the

716

00:29:25,350 --> 00:29:22,640

most part um but that being said

717

00:29:28,950 --> 00:29:25,360

um i think the best thing that helped me

718

00:29:31,350 --> 00:29:28,960

was not focusing on that at all

719

00:29:33,430 --> 00:29:31,360

try to excel in everything you do

720

00:29:34,389 --> 00:29:33,440

don't even focus on the fact that you're

721

00:29:36,630 --> 00:29:34,399

a woman

722

00:29:39,269 --> 00:29:36,640

in a male-dominated field and work with

723

00:29:42,149 --> 00:29:39,279

your co-workers let them

724

00:29:44,070 --> 00:29:42,159

learn to trust and respect you and you

725

00:29:47,430 --> 00:29:44,080

will

726

00:29:49,350 --> 00:29:47,440

their perspective

727

00:29:52,470 --> 00:29:49,360

you know don't be the person who tries

728

00:29:54,630 --> 00:29:52,480

to use that to to get ahead in any way

729

00:29:56,549 --> 00:29:54,640

be be a team player and

730

00:29:59,350 --> 00:29:56,559

don't don't even really consider it a

731

00:30:00,789 --> 00:29:59,360

factor for the most part um

732

00:30:02,230 --> 00:30:00,799

would be my

733

00:30:05,269 --> 00:30:02,240

advice

734

00:30:09,190 --> 00:30:07,590

i would just i agree with jasmine

735

00:30:10,549 --> 00:30:09,200

entirely i would just add don't be

736

00:30:12,710 --> 00:30:10,559

afraid to fail

737

00:30:13,750 --> 00:30:12,720

um i think that's something that

738

00:30:15,269 --> 00:30:13,760

was

739

00:30:17,669 --> 00:30:15,279

you know kind of in the back of my mind

740

00:30:19,110 --> 00:30:17,679

when i was choosing to study engineering

741

00:30:21,430 --> 00:30:19,120

choosing to go in the submarine warfare

742

00:30:23,110 --> 00:30:21,440

community that you might feel like a

743

00:30:24,950 --> 00:30:23,120

spotlight's on you because there aren't

744

00:30:26,070 --> 00:30:24,960

as many women in your field and that

745

00:30:27,430 --> 00:30:26,080

people are paying a little bit more

746

00:30:29,190 --> 00:30:27,440

attention to your performance and how

747

00:30:30,870 --> 00:30:29,200

you're doing um

748

00:30:32,310 --> 00:30:30,880

and i think if you do what jasmine said

749

00:30:34,549 --> 00:30:32,320

just focus on being part of a team and

750

00:30:36,470 --> 00:30:34,559

contributing people really take that on

751
00:30:38,710 --> 00:30:36,480
board and try to support you and then

752
00:30:40,310 --> 00:30:38,720
when you do fail or falter

753
00:30:42,630 --> 00:30:40,320
you'll have people around you to help

754
00:30:44,310 --> 00:30:42,640
you move on from that and continue on

755
00:30:46,710 --> 00:30:44,320
but if you let that fear of failure or

756
00:30:48,710 --> 00:30:46,720
fear of the spotlight on you get to you

757
00:30:50,470 --> 00:30:48,720
you'll prevent yourself from really

758
00:30:52,230 --> 00:30:50,480
reaching for the things that the goals

759
00:30:54,070 --> 00:30:52,240
that are important to you so i just

760
00:30:57,110 --> 00:30:54,080
encourage you to

761
00:30:59,029 --> 00:30:57,120
focus on overcoming them

762
00:31:00,789 --> 00:30:59,039
changing tracks a little bit rudolph

763
00:31:02,549 --> 00:31:00,799

from facebook wants to know if you all

764

00:31:04,630 --> 00:31:02,559

are going to mars and maybe you can talk

765

00:31:08,310 --> 00:31:04,640

about some of the some of the

766

00:31:08,320 --> 00:31:12,230

all right everyone's looking at me

767

00:31:18,549 --> 00:31:16,149

um i don't know the answer to that um i

768

00:31:20,230 --> 00:31:18,559

you know it's day two so they haven't uh

769

00:31:22,310 --> 00:31:20,240

told us that yet where we'll be headed

770

00:31:25,190 --> 00:31:22,320

but um i would certainly love to go to

771

00:31:27,269 --> 00:31:25,200

mars i know that um nasa really is um

772

00:31:29,669 --> 00:31:27,279

looking forward to kind of expanding

773

00:31:31,509 --> 00:31:29,679

human presence in the solar system um

774

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

and looking at long-duration flights and

775

00:31:35,669 --> 00:31:33,600

and pushing those boundaries um and if

776

00:31:37,669 --> 00:31:35,679

mars is on the docket or at the end of

777

00:31:40,310 --> 00:31:37,679

that journey um that'd be really

778

00:31:42,389 --> 00:31:40,320

exciting especially for me someone who's

779

00:31:43,669 --> 00:31:42,399

done a lot of work on mars

780

00:31:45,509 --> 00:31:43,679

but yeah i think there are a lot of

781

00:31:47,830 --> 00:31:45,519

exciting places in between as well and

782

00:31:50,230 --> 00:31:47,840

certainly be excited to be assigned to

783

00:31:52,870 --> 00:31:50,240

go anywhere

784

00:31:53,909 --> 00:31:52,880

all right another question from facebook

785

00:31:56,070 --> 00:31:53,919

uh

786

00:31:58,830 --> 00:31:56,080

what college majors are required for

787

00:32:04,710 --> 00:32:02,230

candidates i'll go ahead um so in order

788

00:32:06,789 --> 00:32:04,720

to be a astronaut candidate or in order

789

00:32:08,230 --> 00:32:06,799

to apply you need a degree in a stem

790

00:32:11,269 --> 00:32:08,240

field so that's

791

00:32:12,870 --> 00:32:11,279

a science field mathematics engineering

792

00:32:17,669 --> 00:32:12,880

um or

793

00:32:22,950 --> 00:32:19,110

good job

794

00:32:25,350 --> 00:32:22,960

all right any questions here in the room

795

00:32:27,269 --> 00:32:25,360

looks like we've got one in the back

796

00:32:28,950 --> 00:32:27,279

hi my name is courtney and i'm with the

797

00:32:31,269 --> 00:32:28,960

internship coordinators and we'd like to

798

00:32:33,830 --> 00:32:31,279

say congratulations first of all and

799

00:32:35,430 --> 00:32:33,840

second we all know that to raise to the

800

00:32:37,430 --> 00:32:35,440

heights of where you are now that we

801
00:32:39,669 --> 00:32:37,440
can't get there without the people that

802
00:32:41,430 --> 00:32:39,679
are helping us up and i'd like to know

803
00:32:42,470 --> 00:32:41,440
are there any particular

804
00:32:45,350 --> 00:32:42,480
circumstances

805
00:32:51,430 --> 00:32:45,360
where someone has mentored you that you

806
00:32:55,990 --> 00:32:53,669
yeah i have so many examples of this as

807
00:32:59,269 --> 00:32:56,000
i'm sure we all do i could go on for

808
00:33:01,350 --> 00:32:59,279
half an hour um for me one of the

809
00:33:03,269 --> 00:33:01,360
really breakthrough moments of my

810
00:33:04,870 --> 00:33:03,279
undergraduate career was

811
00:33:08,149 --> 00:33:04,880
i decided i really wanted to go to

812
00:33:09,909 --> 00:33:08,159
antarctica and i emailed gosh like 80

813
00:33:11,669 --> 00:33:09,919

different pis

814

00:33:13,990 --> 00:33:11,679

principal investigators scientists who

815

00:33:16,470 --> 00:33:14,000

did research there um just out of the

816

00:33:18,149 --> 00:33:16,480

blue dear so and so my name is xena i

817

00:33:20,470 --> 00:33:18,159

have no experience going to antarctica

818

00:33:22,389 --> 00:33:20,480

take me with you and of course most of

819

00:33:23,990 --> 00:33:22,399

them didn't even reply

820

00:33:25,830 --> 00:33:24,000

those who did said you know sorry we

821

00:33:28,149 --> 00:33:25,840

don't have funding or

822

00:33:29,669 --> 00:33:28,159

we just don't have room for you um

823

00:33:32,950 --> 00:33:29,679

you're an undergrad

824

00:33:34,870 --> 00:33:32,960

uh but actually a couple of them said

825

00:33:36,789 --> 00:33:34,880

yes uh they took a chance on someone

826

00:33:39,269 --> 00:33:36,799

they'd never met and were willing to

827

00:33:41,269 --> 00:33:39,279

work with an undergrad um and so that's

828

00:33:43,350 --> 00:33:41,279

been something i've tried to pay forward

829

00:33:44,389 --> 00:33:43,360

in my short career

830

00:33:46,230 --> 00:33:44,399

um

831

00:33:47,669 --> 00:33:46,240

is you know being open to taking high

832

00:33:49,269 --> 00:33:47,679

school students and undergrads on board

833

00:33:52,389 --> 00:33:49,279

because it made a huge huge difference

834

00:33:54,070 --> 00:33:52,399

for me

835

00:33:56,230 --> 00:33:54,080

and matthew did you want to comment as

836

00:33:58,230 --> 00:33:56,240

well uh my mind's a little bit different

837

00:34:01,269 --> 00:33:58,240

uh i grew up uh my family didn't really

838

00:34:02,389 --> 00:34:01,279

have any stem background uh they my

839

00:34:03,509 --> 00:34:02,399

parents were amazed my family was

840

00:34:04,389 --> 00:34:03,519

amazing growing up which didn't have

841

00:34:05,350 --> 00:34:04,399

stem

842

00:34:06,870 --> 00:34:05,360

uh

843

00:34:09,109 --> 00:34:06,880

you know nobody had that field like i

844

00:34:10,869 --> 00:34:09,119

did stem as a child uh and growing up my

845

00:34:13,109 --> 00:34:10,879

parents provided all those things but

846

00:34:15,030 --> 00:34:13,119

nobody in my family was in a stem field

847

00:34:17,190 --> 00:34:15,040

at all uh and i actually showed up to

848

00:34:18,389 --> 00:34:17,200

college uh wanting to be a political

849

00:34:19,589 --> 00:34:18,399

science major

850

00:34:21,030 --> 00:34:19,599

and uh

851
00:34:22,869 --> 00:34:21,040
somebody told me hey well what you're

852
00:34:25,109 --> 00:34:22,879
you did well in math and science growing

853
00:34:26,950 --> 00:34:25,119
up uh why don't why don't you become an

854
00:34:29,270 --> 00:34:26,960
engineer and i thought engineers drove

855
00:34:30,389 --> 00:34:29,280
trains uh so he like he gave me

856
00:34:31,669 --> 00:34:30,399
assignment to go look it up and figure

857
00:34:33,349 --> 00:34:31,679
out what it was and i ended up becoming

858
00:34:34,950 --> 00:34:33,359
electrical engineer as an undergrad and

859
00:34:36,629 --> 00:34:34,960
that person that mentor changed my life

860
00:34:37,990 --> 00:34:36,639
i actually ended up looking him up in

861
00:34:39,349 --> 00:34:38,000
the phone book like six or seven years

862
00:34:40,950 --> 00:34:39,359
later and just calling him and saying

863
00:34:41,990 --> 00:34:40,960

thanks like hey do you remember me from

864

00:34:43,349 --> 00:34:42,000

seven years ago you told me that

865

00:34:46,629 --> 00:34:43,359

engineers can build things they don't

866

00:34:50,790 --> 00:34:48,869

good advice yeah all right um so

867

00:34:52,869 --> 00:34:50,800

christopher from ann arbor michigan

868

00:34:54,790 --> 00:34:52,879

wants to know are you being trained for

869

00:34:56,149 --> 00:34:54,800

the space station or other missions i

870

00:34:57,670 --> 00:34:56,159

know you're just starting your training

871

00:35:01,030 --> 00:34:57,680

but hopefully you know a little bit

872

00:35:05,670 --> 00:35:03,109

i guess the answer is yes uh this is bob

873

00:35:07,589 --> 00:35:05,680

hines uh by the way uh

874

00:35:10,390 --> 00:35:07,599

so uh yes we're being trained for uh the

875

00:35:12,470 --> 00:35:10,400

space station uh but i i guess i've been

876
00:35:15,510 --> 00:35:12,480
quoted somewhere saying uh the space

877
00:35:17,829 --> 00:35:15,520
world is our oyster uh right now so

878
00:35:19,910 --> 00:35:17,839
uh we're at a very unique time i think

879
00:35:21,349 --> 00:35:19,920
in the space program and uh it's pretty

880
00:35:22,790 --> 00:35:21,359
unique and you know if you look at the

881
00:35:24,310 --> 00:35:22,800
history of the space program it's been

882
00:35:26,710 --> 00:35:24,320
very linear up to this point it's been

883
00:35:28,550 --> 00:35:26,720
gemini led to sorry mercury led to

884
00:35:30,470 --> 00:35:28,560
gemini led to apollo which led to the

885
00:35:32,790 --> 00:35:30,480
shuttle and now

886
00:35:34,150 --> 00:35:32,800
our class is unique in we potentially

887
00:35:35,829 --> 00:35:34,160
have the opportunity to be on any of

888
00:35:37,349 --> 00:35:35,839

five different vehicles between the

889

00:35:38,950 --> 00:35:37,359

soyuz and the space station which are

890

00:35:40,630 --> 00:35:38,960

currently out there now

891

00:35:42,069 --> 00:35:40,640

boeing and spacex are building a couple

892

00:35:45,270 --> 00:35:42,079

of vehicles

893

00:35:47,829 --> 00:35:45,280

and then we've got the orion and sls

894

00:35:49,270 --> 00:35:47,839

coming down the pipe as well so uh

895

00:35:51,270 --> 00:35:49,280

looking at the timing for all of that

896

00:35:53,349 --> 00:35:51,280

stuff uh any of us would be thrilled to

897

00:35:54,470 --> 00:35:53,359

get on any one of those vehicles out

898

00:35:56,710 --> 00:35:54,480

there i don't think anyone's going to

899

00:35:59,270 --> 00:35:56,720

turn down a space flight

900

00:36:01,589 --> 00:35:59,280

anyone

901
00:36:03,190 --> 00:36:01,599
so yes we're being trained uh you know

902
00:36:04,550 --> 00:36:03,200
initially on space station we'll learn

903
00:36:06,230 --> 00:36:04,560
all the systems because a lot of the

904
00:36:07,910 --> 00:36:06,240
work that we'll be doing

905
00:36:09,430 --> 00:36:07,920
immediately following azcan will be

906
00:36:10,870 --> 00:36:09,440
directly supporting the space station

907
00:36:12,710 --> 00:36:10,880
mission but in terms of space flight

908
00:36:15,349 --> 00:36:12,720
assignments moving forward

909
00:36:17,510 --> 00:36:15,359
we could go we go anywhere

910
00:36:19,589 --> 00:36:17,520
and it's a it's an amazing thought to

911
00:36:21,270 --> 00:36:19,599
sit here and be able to say that so

912
00:36:23,030 --> 00:36:21,280
we're obviously all super excited about

913
00:36:24,870 --> 00:36:23,040

the opportunity

914

00:36:26,790 --> 00:36:24,880

all right i think we have time for one

915

00:36:28,390 --> 00:36:26,800

more question here in the room if you've

916

00:36:32,069 --> 00:36:28,400

got one

917

00:36:35,030 --> 00:36:32,079

looks like there's a question here

918

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

hi my name is emily malden um i just

919

00:36:38,950 --> 00:36:36,800

want to start by saying congratulations

920

00:36:41,670 --> 00:36:38,960

and i'm excited to be here with you guys

921

00:36:43,349 --> 00:36:41,680

i was wondering what experiments or

922

00:36:45,670 --> 00:36:43,359

pieces of technology you are looking

923

00:36:48,710 --> 00:36:45,680

forward to most either during your

924

00:36:50,150 --> 00:36:48,720

training or while you're up in the iss

925

00:36:52,950 --> 00:36:50,160

in zero gravity

926
00:36:54,470 --> 00:36:52,960
what are you looking forward to most um

927
00:37:01,430 --> 00:36:54,480
with

928
00:37:05,430 --> 00:37:03,510
i think what i'm looking forward to most

929
00:37:07,109 --> 00:37:05,440
is just fixing things on the space

930
00:37:09,829 --> 00:37:07,119
station

931
00:37:11,829 --> 00:37:09,839
uh i'm an engineer and technician um

932
00:37:13,990 --> 00:37:11,839
before this and that's what i really

933
00:37:15,589 --> 00:37:14,000
like doing so when things break and you

934
00:37:17,430 --> 00:37:15,599
have to go fix them

935
00:37:22,390 --> 00:37:17,440
that's what i'm probably most excited

936
00:37:26,950 --> 00:37:24,230
all right go ahead

937
00:37:28,790 --> 00:37:26,960
yeah sure um i can speak from a research

938
00:37:30,870 --> 00:37:28,800

science background i'm a microbiologist

939

00:37:33,109 --> 00:37:30,880

by training but i'm actually most

940

00:37:35,270 --> 00:37:33,119

excited not to be doing my own research

941

00:37:36,790 --> 00:37:35,280

anymore and to be

942

00:37:38,630 --> 00:37:36,800

just to be part of something that's so

943

00:37:41,430 --> 00:37:38,640

much bigger than any of the research i

944

00:37:42,870 --> 00:37:41,440

could be doing on my own um and a lot of

945

00:37:45,829 --> 00:37:42,880

the research that happens on the space

946

00:37:47,349 --> 00:37:45,839

station has very direct applications you

947

00:37:49,589 --> 00:37:47,359

know not only for the astronauts but

948

00:37:52,150 --> 00:37:49,599

also for people back on earth

949

00:37:54,470 --> 00:37:52,160

so research on bone density loss in

950

00:37:56,550 --> 00:37:54,480

space has applications for

951
00:37:58,150 --> 00:37:56,560
bone mass wasting diseases here on earth

952
00:38:03,990 --> 00:37:58,160
and i think that's really cool it's a

953
00:38:06,870 --> 00:38:05,030
i guess we're all excited about

954
00:38:09,750 --> 00:38:06,880
technology um

955
00:38:11,349 --> 00:38:09,760
so as a uh you know hobbyist pilot but a

956
00:38:12,790 --> 00:38:11,359
non with a non-military background i

957
00:38:14,150 --> 00:38:12,800
think i'm really excited about getting

958
00:38:16,150 --> 00:38:14,160
in some really high performance

959
00:38:18,150 --> 00:38:16,160
airplanes like the t-38

960
00:38:20,310 --> 00:38:18,160
learning from my colleagues who have a

961
00:38:24,870 --> 00:38:20,320
huge amount of flight experience and

962
00:38:29,670 --> 00:38:27,589
um and then i'm an engineer as well my

963
00:38:30,790 --> 00:38:29,680

name is rob i'm a aerospace engineer the

964

00:38:32,550 --> 00:38:30,800

last six and a half years but i come

965

00:38:34,790 --> 00:38:32,560

from a material science and mechanical

966

00:38:36,470 --> 00:38:34,800

engineering background

967

00:38:37,589 --> 00:38:36,480

but you know what kind of like xeno was

968

00:38:39,829 --> 00:38:37,599

saying i'm really looking forward to

969

00:38:41,270 --> 00:38:39,839

doing things outside of my field

970

00:38:43,430 --> 00:38:41,280

so i'm actually really psyched about the

971

00:38:45,670 --> 00:38:43,440

biology stuff i kind of miss that from

972

00:38:47,430 --> 00:38:45,680

from college

973

00:38:48,630 --> 00:38:47,440

and uh with my material science

974

00:38:49,829 --> 00:38:48,640

background actually i think there's

975

00:38:52,069 --> 00:38:49,839

probably some bridging to be done there

976
00:38:53,430 --> 00:38:52,079
between biology and material science um

977
00:38:55,430 --> 00:38:53,440
and i know they do some fantastic

978
00:38:57,750 --> 00:38:55,440
experiments uh on station that you can't

979
00:39:00,069 --> 00:38:57,760
do uh on earth uh just due to the lack

980
00:39:01,829 --> 00:39:00,079
of gravity up there so

981
00:39:03,750 --> 00:39:01,839
yeah for me it's it's the whole looking

982
00:39:04,950 --> 00:39:03,760
and learning new things that i haven't

983
00:39:07,750 --> 00:39:04,960
you know been able to do these last few

984
00:39:11,430 --> 00:39:09,430
all right i think that's just about all

985
00:39:13,349 --> 00:39:11,440
that we have time for so we're going to

986
00:39:14,790 --> 00:39:13,359
wrap up now but these guys are just

987
00:39:16,310 --> 00:39:14,800
getting started you're going to want to

988
00:39:19,349 --> 00:39:16,320

stay tuned on

989

00:39:23,030 --> 00:39:21,589

2017 astronauts to keep up with their

990

00:39:24,390 --> 00:39:23,040

activities as they go forward in their

991

00:39:27,190 --> 00:39:24,400

training and we actually just posted

992

00:39:28,710 --> 00:39:27,200

some videos that we of us asking them

993

00:39:30,150 --> 00:39:28,720

some questions as well so you can get to

994

00:39:32,390 --> 00:39:30,160

know them a little bit better there and

995

00:39:34,790 --> 00:39:32,400

then you can also keep up with them on

996

00:39:36,630 --> 00:39:34,800

social media for now you can go to the

997

00:39:39,109 --> 00:39:36,640

nasa astronaut account on twitter which

998

00:39:40,470 --> 00:39:39,119

is at nasa underscore astronauts

999

00:39:42,310 --> 00:39:40,480

and that is going to be it for the day