



1
00:00:17,670 --> 00:00:15,910
the launch of soyuz tma-16m will return

2
00:00:19,590 --> 00:00:17,680
three veteran space flyers to the

3
00:00:21,269 --> 00:00:19,600
international space station with two of

4
00:00:24,070 --> 00:00:21,279
them embarking on the first ever

5
00:00:26,310 --> 00:00:24,080
year-long mission to this vehicle

6
00:00:28,470 --> 00:00:26,320
one year expedition crew member retired

7
00:00:31,189 --> 00:00:28,480
u.s navy captain scott kelly has

8
00:00:33,430 --> 00:00:31,199
accumulated 180 days in space during

9
00:00:35,110 --> 00:00:33,440
three missions kelly piloted space

10
00:00:37,990 --> 00:00:35,120
shuttle discovery's service mission to

11
00:00:40,549 --> 00:00:38,000
the hubble space telescope in 1999. he

12
00:00:42,470 --> 00:00:40,559
served as the commander of the sts-118

13
00:00:44,389 --> 00:00:42,480

mission to the space station and he

14

00:00:46,069 --> 00:00:44,399

spent over five months aboard the

15

00:00:48,630 --> 00:00:46,079

international space station as an

16

00:00:51,510 --> 00:00:48,640

expedition 25 flight engineer and as

17

00:00:53,189 --> 00:00:51,520

expedition 26 commander kelly will again

18

00:00:56,549 --> 00:00:53,199

serve as station commander during

19

00:00:58,389 --> 00:00:56,559

expeditions 45 and 46.

20

00:01:00,310 --> 00:00:58,399

kelly's one-year crewmate mikhail

21

00:01:02,470 --> 00:01:00,320

kornienko the russian federal space

22

00:01:06,710 --> 00:01:02,480

agency was selected as a cosmonaut in

23

00:01:08,230 --> 00:01:06,720

1998 he spent 176 days in space as an

24

00:01:11,510 --> 00:01:08,240

international space station flight

25

00:01:13,429 --> 00:01:11,520

engineer on expeditions 23 and 24. he

26

00:01:16,310 --> 00:01:13,439

has 6 hours and 43 minutes of

27

00:01:18,390 --> 00:01:16,320

spacewalking time to his credit

28

00:01:20,310 --> 00:01:18,400

soyuz commander gennady padalka's first

29

00:01:23,350 --> 00:01:20,320

journey to space took him to the russian

30

00:01:25,109 --> 00:01:23,360

space station mir in 1998. he then

31

00:01:26,390 --> 00:01:25,119

visited the international space station

32

00:01:30,310 --> 00:01:26,400

in 2004

33

00:01:32,069 --> 00:01:30,320

2009 and 2012 serving as commander on

34

00:01:34,149 --> 00:01:32,079

each of his missions he'll assume the

35

00:01:37,990 --> 00:01:34,159

role of station commander again during

36

00:01:40,230 --> 00:01:38,000

expedition 44. padalka has spent 710

37

00:01:41,510 --> 00:01:40,240

days on orbit and has conducted seven

38

00:01:43,030 --> 00:01:41,520

spacewalks

39

00:01:45,590 --> 00:01:43,040

padulco will return to earth in

40

00:01:47,109 --> 00:01:45,600

september 2015 with kelly and cordienko

41

00:01:53,429 --> 00:01:47,119

remaining onboard the station until

42

00:01:57,270 --> 00:01:55,109

welcome to the johnson space center we

43

00:01:59,109 --> 00:01:57,280

are joined today by scott mikhail and

44

00:02:01,590 --> 00:01:59,119

gennady thank you gentlemen for joining

45

00:02:03,350 --> 00:02:01,600

us it's exciting time we are weeks out

46

00:02:05,670 --> 00:02:03,360

from your departure to go overseas for

47

00:02:08,309 --> 00:02:05,680

your final training your exams and then

48

00:02:09,910 --> 00:02:08,319

your launch on march 27th so let's just

49

00:02:11,190 --> 00:02:09,920

start with the big question how are you

50

00:02:17,350 --> 00:02:11,200

feeling

51
00:02:19,270 --> 00:02:17,360
and we're excited to be here finishing

52
00:02:22,470 --> 00:02:19,280
up our u.s

53
00:02:23,589 --> 00:02:22,480
training and then for me off to germany

54
00:02:26,150 --> 00:02:23,599
for a week

55
00:02:28,150 --> 00:02:26,160
for the cosmonauts uh back to russia for

56
00:02:29,670 --> 00:02:28,160
a final six weeks of training before

57
00:02:31,110 --> 00:02:29,680
launch

58
00:02:41,990 --> 00:02:31,120
gotcha well

59
00:02:46,790 --> 00:02:44,869
this is a great crew we tested ourselves

60
00:02:48,790 --> 00:02:46,800
when we were training is the backup crew

61
00:02:50,790 --> 00:02:48,800
and we are ready for the flight

62
00:02:52,790 --> 00:02:50,800
right and i'd like to add too that this

63
00:02:54,070 --> 00:02:52,800

is called the one-year crew news

64

00:02:55,990 --> 00:02:54,080

conference

65

00:02:58,229 --> 00:02:56,000

but one of us is not staying for a year

66

00:02:59,190 --> 00:02:58,239

but he's the most important guy on the

67

00:03:01,190 --> 00:02:59,200

flight

68

00:03:02,550 --> 00:03:01,200

because he's our soyuz commander he's

69

00:03:05,110 --> 00:03:02,560

our space station commander for

70

00:03:07,270 --> 00:03:05,120

expedition 44 and on his this flight

71

00:03:10,470 --> 00:03:07,280

he'll break the record for uh the

72

00:03:12,470 --> 00:03:10,480

longest duration of any human ever to

73

00:03:14,070 --> 00:03:12,480

stay in space absolutely

74

00:03:15,670 --> 00:03:14,080

definitely good thing to note

75

00:03:18,229 --> 00:03:15,680

a mission like this is quite an

76

00:03:20,070 --> 00:03:18,239

undertaking technically physically

77

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

personally can you just start by telling

78

00:03:23,830 --> 00:03:21,760

us a little bit about you know why you

79

00:03:26,070 --> 00:03:23,840

accepted a mission like this

80

00:03:28,229 --> 00:03:26,080

well for me nicole it was uh not

81

00:03:29,990 --> 00:03:28,239

something i accepted at first it was

82

00:03:31,350 --> 00:03:30,000

something that we discussed in our

83

00:03:33,589 --> 00:03:31,360

office

84

00:03:35,990 --> 00:03:33,599

there were a number of people that were

85

00:03:37,910 --> 00:03:36,000

qualified for it and at first

86

00:03:40,070 --> 00:03:37,920

i i'll be honest with you i wasn't all

87

00:03:42,229 --> 00:03:40,080

that interested

88

00:03:43,670 --> 00:03:42,239

because you know i guess mostly because

89

00:03:44,630 --> 00:03:43,680

i hadn't given it a whole lot of thought

90

00:03:46,470 --> 00:03:44,640

and it was

91

00:03:48,390 --> 00:03:46,480

soon after i had gotten back from my

92

00:03:49,750 --> 00:03:48,400

last flight so the uh

93

00:03:51,430 --> 00:03:49,760

you know the the

94

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

the difficulty of living and working in

95

00:03:55,350 --> 00:03:52,959

space for a long period was still kind

96

00:03:58,710 --> 00:03:55,360

of fresh in my mind but

97

00:04:00,229 --> 00:03:58,720

i wanted to fly in space again and uh

98

00:04:02,390 --> 00:04:00,239

you know after giving it some thought i

99

00:04:05,190 --> 00:04:02,400

thought that would be a lot like what i

100

00:04:07,030 --> 00:04:05,200

did the last time on my previous uh

101
00:04:08,789 --> 00:04:07,040
expedition flight

102
00:04:10,710 --> 00:04:08,799
so you know after mulling it over

103
00:04:12,070 --> 00:04:10,720
talking to my family

104
00:04:12,949 --> 00:04:12,080
friends

105
00:04:15,030 --> 00:04:12,959
um

106
00:04:18,870 --> 00:04:15,040
girlfriend and uh

107
00:04:19,990 --> 00:04:18,880
i decided that uh the challenges

108
00:04:21,030 --> 00:04:20,000
um

109
00:04:22,870 --> 00:04:21,040
that

110
00:04:23,990 --> 00:04:22,880
staying in space for a whole year

111
00:04:26,070 --> 00:04:24,000
presented

112
00:04:28,070 --> 00:04:26,080
was appealing to me

113
00:04:31,909 --> 00:04:28,080

even considering the sacrifices that you

114

00:04:33,990 --> 00:04:31,919

have to go in and your family goes uh

115

00:04:35,909 --> 00:04:34,000

in for to to do that kind of thing

116

00:04:38,550 --> 00:04:35,919

absolutely and it's it is such a

117

00:04:40,790 --> 00:04:38,560

commitment on your half all of you um

118

00:04:42,310 --> 00:04:40,800

but especially in your case and i

119

00:04:45,430 --> 00:04:42,320

imagine to some degree just the greater

120

00:04:46,390 --> 00:04:45,440

purpose of the mission also was a part

121

00:04:47,990 --> 00:04:46,400

of it

122

00:04:51,030 --> 00:04:48,000

absolutely

123

00:04:52,790 --> 00:04:51,040

um so each crew each iss crew works on

124

00:04:53,830 --> 00:04:52,800

about 200 different experiments during

125

00:04:55,510 --> 00:04:53,840

expedition you're going to be up there

126

00:04:57,189 --> 00:04:55,520

obviously twice the time you'll be

127

00:04:59,189 --> 00:04:57,199

touching on even hundreds more of

128

00:05:00,710 --> 00:04:59,199

experiments in research you i know you

129

00:05:02,070 --> 00:05:00,720

don't know the details about all of them

130

00:05:03,590 --> 00:05:02,080

but are there at this point some

131

00:05:05,110 --> 00:05:03,600

experiments that have personally

132

00:05:07,110 --> 00:05:05,120

resonated with you and that you think

133

00:05:09,270 --> 00:05:07,120

really demonstrate why this why this

134

00:05:11,110 --> 00:05:09,280

work is so important

135

00:05:12,710 --> 00:05:11,120

well yeah there are a lot of experiments

136

00:05:14,950 --> 00:05:12,720

that go on the space station in all

137

00:05:18,070 --> 00:05:14,960

different uh disciplines you know we

138

00:05:19,590 --> 00:05:18,080

like to say we work off the earth for

139

00:05:21,909 --> 00:05:19,600

the earth and that's the purpose of the

140

00:05:23,909 --> 00:05:21,919

space station there's generally three

141

00:05:25,590 --> 00:05:23,919

different kinds of

142

00:05:28,629 --> 00:05:25,600

investigations are in three different

143

00:05:30,310 --> 00:05:28,639

general categories the cases research

144

00:05:33,110 --> 00:05:30,320

that we do that's uh

145

00:05:34,710 --> 00:05:33,120

really how to improve life on earth the

146

00:05:36,790 --> 00:05:34,720

nasa research that we do that's

147

00:05:38,629 --> 00:05:36,800

generally exploration based you know how

148

00:05:40,710 --> 00:05:38,639

to get us uh you know

149

00:05:42,790 --> 00:05:40,720

out of low earth orbit you know to the

150

00:05:44,469 --> 00:05:42,800

moon perhaps an asteroid and mars

151

00:05:47,670 --> 00:05:44,479

someday and even further

152

00:05:49,670 --> 00:05:47,680

um and then the international uh

153

00:05:51,270 --> 00:05:49,680

partnership research that's done so it's

154

00:05:53,270 --> 00:05:51,280

kind of separating the three general

155

00:05:55,029 --> 00:05:53,280

categories and within those categories

156

00:05:55,909 --> 00:05:55,039

especially the stuff that's for the

157

00:05:59,350 --> 00:05:55,919

earth

158

00:06:00,870 --> 00:05:59,360

is uh you know further uh separated into

159

00:06:03,189 --> 00:06:00,880

the

160

00:06:04,309 --> 00:06:03,199

some life science stuff for you know

161

00:06:06,309 --> 00:06:04,319

developing

162

00:06:08,469 --> 00:06:06,319

new kinds of pharmaceuticals new ways to

163

00:06:10,070 --> 00:06:08,479

understand disease using stem cell

164

00:06:13,670 --> 00:06:10,080

research

165

00:06:16,870 --> 00:06:13,680

protein crystals those kind of things

166

00:06:19,270 --> 00:06:16,880

material sciences combustion science

167

00:06:21,909 --> 00:06:19,280

observing the earth those kind of things

168

00:06:24,629 --> 00:06:21,919

and the exploration stuff is more

169

00:06:26,469 --> 00:06:24,639

you know how do we live in work in space

170

00:06:28,710 --> 00:06:26,479

for longer periods of time how does that

171

00:06:30,790 --> 00:06:28,720

how does our body uh

172

00:06:32,870 --> 00:06:30,800

react to that how do we mitigate the uh

173

00:06:34,469 --> 00:06:32,880

the various types of risks we have now

174

00:06:35,270 --> 00:06:34,479

to answer your more specific question

175

00:06:39,270 --> 00:06:35,280

what

176

00:06:42,870 --> 00:06:39,280

um

177

00:06:44,629 --> 00:06:42,880

of it does

178

00:06:46,710 --> 00:06:44,639

there's some other experiments that we

179

00:06:48,230 --> 00:06:46,720

that we do like

180

00:06:50,390 --> 00:06:48,240

you know the japanese have this

181

00:06:51,749 --> 00:06:50,400

experiment that kind of fascinates me

182

00:06:53,510 --> 00:06:51,759

and it's uh

183

00:06:56,550 --> 00:06:53,520

name escapes me right now but it's you

184

00:06:59,189 --> 00:06:56,560

know how do we understand uh better how

185

00:07:02,870 --> 00:06:59,199

uh plants seek water you know generally

186

00:07:05,110 --> 00:07:02,880

the uh the largest component is uh

187

00:07:06,469 --> 00:07:05,120

based on gravity roots grow

188

00:07:07,830 --> 00:07:06,479

you know towards the center of the earth

189

00:07:09,350 --> 00:07:07,840

but there is a component that seeks

190

00:07:12,870 --> 00:07:09,360

water and if you can genetically

191

00:07:14,629 --> 00:07:12,880

engineer a plant to seek water versus go

192

00:07:16,469 --> 00:07:14,639

in the direction of the gravity flow

193

00:07:18,950 --> 00:07:16,479

that has serious um you know

194

00:07:20,710 --> 00:07:18,960

international

195

00:07:23,350 --> 00:07:20,720

implications for

196

00:07:26,710 --> 00:07:23,360

you know can we grow food for you know

197

00:07:28,550 --> 00:07:26,720

what countries are able to uh survive on

198

00:07:31,830 --> 00:07:28,560

limited limits amount of limited amount

199

00:07:34,070 --> 00:07:31,840

of water things like that

200

00:07:36,070 --> 00:07:34,080

but having said all that

201
00:07:37,909 --> 00:07:36,080
as a test pilot

202
00:07:39,990 --> 00:07:37,919
and an engineer what fascinates me is

203
00:07:42,390 --> 00:07:40,000
the space station

204
00:07:44,309 --> 00:07:42,400
as a whole experiment

205
00:07:46,309 --> 00:07:44,319
you know we built this space station as

206
00:07:48,550 --> 00:07:46,319
an international partnership

207
00:07:50,070 --> 00:07:48,560
uh connecting these modules in low earth

208
00:07:51,749 --> 00:07:50,080
orbit in some cases some of these were

209
00:07:56,230 --> 00:07:51,759
never connected before on earth

210
00:07:58,629 --> 00:07:56,240
traveling around the earth at 17 500 000

211
00:08:00,790 --> 00:07:58,639
miles per hour in a vacuum extremes of

212
00:08:02,710 --> 00:08:00,800
temperature and pressure building this

213
00:08:05,029 --> 00:08:02,720

facility um

214

00:08:07,670 --> 00:08:05,039

that allows us to understand how to

215

00:08:10,710 --> 00:08:07,680

operate for long periods of time in

216

00:08:13,430 --> 00:08:10,720

space to allow us someday to go to mars

217

00:08:16,309 --> 00:08:13,440

right absolutely um let's see we were

218

00:08:17,990 --> 00:08:16,319

reminded uh just yesterday how serious

219

00:08:19,510 --> 00:08:18,000

the space exploration business is there

220

00:08:21,510 --> 00:08:19,520

was an emergency

221

00:08:23,749 --> 00:08:21,520

scenario on board the crew had to do

222

00:08:25,510 --> 00:08:23,759

their emergency procedures go get in a

223

00:08:27,350 --> 00:08:25,520

safe location on the international space

224

00:08:29,029 --> 00:08:27,360

station it was a great testament to the

225

00:08:30,950 --> 00:08:29,039

training that the crew has had the

226

00:08:33,269 --> 00:08:30,960

teamwork with the flight control team

227

00:08:35,190 --> 00:08:33,279

and all of that worked out but as you

228

00:08:36,469 --> 00:08:35,200

you know near your mission what thoughts

229

00:08:38,310 --> 00:08:36,479

do you have on that and what type of

230

00:08:52,870 --> 00:08:38,320

training have you had to prepare you for

231

00:08:56,550 --> 00:08:54,949

the thing is that a large portion of the

232

00:09:05,910 --> 00:08:56,560

preparation has to do with running

233

00:09:16,389 --> 00:09:09,030

in particular includes depressurization

234

00:09:20,710 --> 00:09:19,269

the instructors at the gctc in russia

235

00:09:35,030 --> 00:09:20,720

and here at nasa they're very

236

00:09:39,750 --> 00:09:37,829

our qualification exams will be next

237

00:09:42,550 --> 00:09:39,760

week for our crew for handling these off

238

00:09:44,389 --> 00:09:42,560

nominal situations

239

00:09:46,230 --> 00:09:44,399

we're ready yeah i was just going to add

240

00:09:48,870 --> 00:09:46,240

those are two big sessions that you have

241

00:09:51,350 --> 00:09:48,880

just coming up next week two big all

242

00:09:52,949 --> 00:09:51,360

crew fully integrated with the team

243

00:09:54,389 --> 00:09:52,959

so that's one of the final things you do

244

00:09:55,670 --> 00:09:54,399

yeah so we you know we have a great

245

00:09:57,430 --> 00:09:55,680

instructor team we have a great

246

00:09:58,870 --> 00:09:57,440

operational team all around the world

247

00:10:01,829 --> 00:09:58,880

you know not only in the us and russia

248

00:10:03,350 --> 00:10:01,839

but japan germany canada for the the

249

00:10:04,790 --> 00:10:03,360

robotics that we do on board so we're

250

00:10:05,990 --> 00:10:04,800

very prepared for this kind of thing

251
00:10:07,509 --> 00:10:06,000
unfortunately

252
00:10:09,670 --> 00:10:07,519
you know what happened yesterday was not

253
00:10:11,190 --> 00:10:09,680
a real emergency but we responded you

254
00:10:12,949 --> 00:10:11,200
know in a very cautious way which is

255
00:10:15,269 --> 00:10:12,959
what we are trained to do and what we

256
00:10:18,150 --> 00:10:15,279
have to do to protect uh you know

257
00:10:19,670 --> 00:10:18,160
ourselves and the space station great

258
00:10:20,790 --> 00:10:19,680
okay well with that we've got a packed

259
00:10:21,829 --> 00:10:20,800
room here so we'll just go ahead and

260
00:10:23,190 --> 00:10:21,839
start with some questions we're going to

261
00:10:24,710 --> 00:10:23,200
start with media here at the johnson

262
00:10:27,350 --> 00:10:24,720
space center first so if you can just

263
00:10:28,550 --> 00:10:27,360

raise your hand and wait till you're

264

00:10:29,750 --> 00:10:28,560

selected and just state your name and

265

00:10:30,829 --> 00:10:29,760

affiliation we'll start on the right

266

00:10:33,069 --> 00:10:30,839

hand side

267

00:10:34,870 --> 00:10:33,079

robert hi robert perelman with

268

00:10:37,190 --> 00:10:34,880

collectspace.com with a question for

269

00:10:39,030 --> 00:10:37,200

both scott and mikhail you're leaving

270

00:10:41,829 --> 00:10:39,040

earth for a year

271

00:10:43,910 --> 00:10:41,839

is there anything that you want to still

272

00:10:45,910 --> 00:10:43,920

do here on earth that you've consciously

273

00:10:47,910 --> 00:10:45,920

thought i want to do this here

274

00:10:49,350 --> 00:10:47,920

experience it here and get a memory

275

00:10:54,310 --> 00:10:49,360

before you have

276
00:10:57,670 --> 00:10:55,910
well for me

277
00:10:59,509 --> 00:10:57,680
you know there really aren't specifics

278
00:11:00,630 --> 00:10:59,519
like that but but i i'm certainly

279
00:11:02,870 --> 00:11:00,640
conscious

280
00:11:04,790 --> 00:11:02,880
of the amount of days i have left in the

281
00:11:07,590 --> 00:11:04,800
united states and how those

282
00:11:09,509 --> 00:11:07,600
uh those you know last 30 days or so now

283
00:11:11,829 --> 00:11:09,519
that i have left here there's a bunch of

284
00:11:13,670 --> 00:11:11,839
stuff i need to do that i can't do once

285
00:11:15,990 --> 00:11:13,680
i leave but that's more like you know

286
00:11:18,230 --> 00:11:16,000
logistic kind of things not

287
00:11:20,470 --> 00:11:18,240
you know this i think you're looking for

288
00:11:22,710 --> 00:11:20,480

more of a human aspect of like things

289

00:11:24,790 --> 00:11:22,720

that you would do for fun for instance

290

00:11:26,870 --> 00:11:24,800

so for me most of it's surrounding like

291

00:11:29,190 --> 00:11:26,880

logistics like preparing my house and my

292

00:11:32,870 --> 00:11:29,200

family and things like that for me to be

293

00:11:37,190 --> 00:11:35,110

okay other questions go ahead there

294

00:11:38,870 --> 00:11:37,200

bill harwood cbs news let me ask mikaela

295

00:11:40,550 --> 00:11:38,880

uh a question um

296

00:11:42,069 --> 00:11:40,560

scott answered why he wanted to do this

297

00:11:43,750 --> 00:11:42,079

why do you want to do this for a full

298

00:11:53,670 --> 00:11:43,760

year what was your motivation to go up

299

00:11:53,680 --> 00:12:26,470

is

300

00:12:31,750 --> 00:12:29,350

well i can't say exactly that i decided

301
00:12:34,470 --> 00:12:31,760
to go for one year

302
00:12:36,870 --> 00:12:34,480
actually i was offered and they asked me

303
00:12:38,790 --> 00:12:36,880
do i want to go and i was allowed to go

304
00:12:40,790 --> 00:12:38,800
and so of course i said yes

305
00:12:42,550 --> 00:12:40,800
it is a very unique opportunity we have

306
00:12:45,110 --> 00:12:42,560
the chance to be the first to spend a

307
00:12:47,269 --> 00:12:45,120
whole year in the space station and it

308
00:12:49,590 --> 00:12:47,279
will be of great use for future

309
00:12:51,829 --> 00:12:49,600
generations for science and for those

310
00:12:54,790 --> 00:12:51,839
who might fly further to mars and to

311
00:12:58,790 --> 00:12:56,470
okay other questions we'll start with

312
00:13:00,949 --> 00:12:58,800
eric on the front row yeah

313
00:13:03,190 --> 00:13:00,959

so uh scott eric berger with the houston

314

00:13:05,990 --> 00:13:03,200

chronicle i'm curious i mean years a

315

00:13:07,030 --> 00:13:06,000

long time obviously

316

00:13:08,629 --> 00:13:07,040

what kinds of things you're going to be

317

00:13:10,710 --> 00:13:08,639

doing in the evenings to kind of pass

318

00:13:12,150 --> 00:13:10,720

your time um because you're working

319

00:13:15,030 --> 00:13:12,160

shift your exercise for a long time but

320

00:13:16,470 --> 00:13:15,040

you still have you know some free time

321

00:13:18,230 --> 00:13:16,480

and then you have a way to watch the

322

00:13:20,710 --> 00:13:18,240

texans games this fall

323

00:13:22,629 --> 00:13:20,720

yeah so so what i did last time was

324

00:13:25,190 --> 00:13:22,639

mostly um

325

00:13:28,470 --> 00:13:25,200

you know talk to people on the earth

326

00:13:31,509 --> 00:13:28,480

email read books occasionally

327

00:13:32,790 --> 00:13:31,519

watch you know a program on tv

328

00:13:34,389 --> 00:13:32,800

and uh

329

00:13:37,990 --> 00:13:34,399

you know like you said watch at texas

330

00:13:39,670 --> 00:13:38,000

games and certainly i'll do that

331

00:13:40,790 --> 00:13:39,680

it hasn't escaped me that i'll watch a

332

00:13:43,750 --> 00:13:40,800

whole

333

00:13:45,590 --> 00:13:43,760

baseball season which is very long and a

334

00:13:46,870 --> 00:13:45,600

whole football season

335

00:13:49,430 --> 00:13:46,880

and then

336

00:13:51,750 --> 00:13:49,440

part of basketball and hockey

337

00:13:53,910 --> 00:13:51,760

which sometimes those seem like they go

338

00:13:55,750 --> 00:13:53,920

more than a year because they're so long

339

00:13:56,949 --> 00:13:55,760

so i wouldn't get to do that but the one

340

00:13:59,030 --> 00:13:56,959

thing i'm going to do very much

341

00:14:01,430 --> 00:13:59,040

different than i did last time is i'm

342

00:14:02,629 --> 00:14:01,440

going to keep a personal journal of the

343

00:14:04,230 --> 00:14:02,639

experience

344

00:14:06,310 --> 00:14:04,240

i'm also going to do the experiment

345

00:14:10,470 --> 00:14:06,320

called journals which you know shares

346

00:14:12,710 --> 00:14:10,480

the experience with uh investigators um

347

00:14:15,110 --> 00:14:12,720

to understand better you know how the

348

00:14:16,870 --> 00:14:15,120

you know psychology of the of the flight

349

00:14:19,590 --> 00:14:16,880

goes so

350

00:14:22,310 --> 00:14:19,600

um yeah my evenings will be very similar

351
00:14:24,150 --> 00:14:22,320
to last time with the exception of kind

352
00:14:24,949 --> 00:14:24,160
of keeping a personal record of the

353
00:14:27,990 --> 00:14:24,959
whole

354
00:14:34,069 --> 00:14:31,829
okay and the bill got yeah i'm sorry ted

355
00:14:37,750 --> 00:14:34,079
thank you

356
00:14:41,269 --> 00:14:37,760
now jamalberg with nbc uh you each have

357
00:14:42,230 --> 00:14:41,279
had already a long orbital flight

358
00:14:44,470 --> 00:14:42,240
what

359
00:14:47,110 --> 00:14:44,480
do you remember that you discovered

360
00:14:49,829 --> 00:14:47,120
about yourself on those first flights

361
00:14:52,389 --> 00:14:49,839
that make you confident you can complete

362
00:14:53,990 --> 00:14:52,399
these flights what what what surprised

363
00:14:59,110 --> 00:14:54,000

you about yourselves

364

00:14:59,120 --> 00:15:01,670

um

365

00:15:05,030 --> 00:15:03,269

i don't think anything really surprised

366

00:15:06,230 --> 00:15:05,040

me um

367

00:15:08,550 --> 00:15:06,240

what

368

00:15:09,829 --> 00:15:08,560

made me confident that i

369

00:15:11,509 --> 00:15:09,839

you know i'll be able to do this now

370

00:15:13,829 --> 00:15:11,519

whether i'll be able to do it

371

00:15:15,670 --> 00:15:13,839

at the same pace and with the same mood

372

00:15:16,710 --> 00:15:15,680

and feeling the same way at the end i

373

00:15:18,389 --> 00:15:16,720

hope

374

00:15:20,470 --> 00:15:18,399

i don't know but

375

00:15:21,990 --> 00:15:20,480

i think i was pretty

376

00:15:24,949 --> 00:15:22,000

pretty consistent throughout the flight

377

00:15:26,389 --> 00:15:24,959

and how i you know dealt with

378

00:15:28,069 --> 00:15:26,399

my fellow crew members

379

00:15:29,749 --> 00:15:28,079

folks on the ground with regards to how

380

00:15:30,470 --> 00:15:29,759

i was feeling fatigue level things like

381

00:15:32,870 --> 00:15:30,480

that

382

00:15:34,550 --> 00:15:32,880

and i think i'll be able to

383

00:15:37,509 --> 00:15:34,560

you know carry that through through a

384

00:15:39,670 --> 00:15:37,519

year my goal is

385

00:15:41,430 --> 00:15:39,680

one of my goals many goals but you know

386

00:15:42,389 --> 00:15:41,440

the first one obviously being crew

387

00:15:45,269 --> 00:15:42,399

safety

388

00:15:48,230 --> 00:15:45,279

but one of the goals is that the

389

00:15:52,790 --> 00:15:48,240

the first flight director we have

390

00:15:54,870 --> 00:15:52,800

uh when he talks to emily nelson

391

00:15:56,629 --> 00:15:54,880

so when ron spencer talks to emily

392

00:15:59,350 --> 00:15:56,639

nelson about

393

00:16:01,110 --> 00:15:59,360

how i did on the flight they will have

394

00:16:03,350 --> 00:16:01,120

the same exact notes

395

00:16:05,590 --> 00:16:03,360

there will be no difference between how

396

00:16:07,269 --> 00:16:05,600

he felt about me and how she felt about

397

00:16:11,910 --> 00:16:07,279

me and you know i helped the rest of the

398

00:16:15,189 --> 00:16:13,990

okay mark

399

00:16:17,590 --> 00:16:15,199

thank you mark

400

00:16:19,590 --> 00:16:17,600

for aviation week uh and this is first

401
00:16:20,790 --> 00:16:19,600
stop please

402
00:16:22,470 --> 00:16:20,800
you know

403
00:16:23,269 --> 00:16:22,480
when you look at the mission a lot of

404
00:16:39,350 --> 00:16:23,279
the

405
00:16:42,710 --> 00:16:39,360
and i i'm wondering how you sort of see

406
00:16:47,829 --> 00:16:44,629
as an important part of what you're

407
00:16:49,189 --> 00:16:47,839
doing or as a sort of a nice to have

408
00:16:52,310 --> 00:16:49,199
where do you sort of put that in

409
00:16:53,910 --> 00:16:52,320
perspective for all the things you

410
00:16:55,110 --> 00:16:53,920
are expected to accomplish on the

411
00:16:57,350 --> 00:16:55,120
mission

412
00:17:00,069 --> 00:16:57,360
we refer to that now as the reassembly

413
00:17:01,749 --> 00:17:00,079

of the space station and

414

00:17:03,269 --> 00:17:01,759

both the the assembly of the space

415

00:17:04,549 --> 00:17:03,279

station and now the reassembly of the

416

00:17:06,710 --> 00:17:04,559

space station

417

00:17:09,350 --> 00:17:06,720

were and you know is and will be

418

00:17:10,949 --> 00:17:09,360

designed to utilize the

419

00:17:13,029 --> 00:17:10,959

the space station for what it was

420

00:17:15,510 --> 00:17:13,039

designed for as an orbiting laboratory

421

00:17:17,110 --> 00:17:15,520

to do scientific research so

422

00:17:19,429 --> 00:17:17,120

um

423

00:17:21,990 --> 00:17:19,439

you know that's important because that's

424

00:17:23,829 --> 00:17:22,000

part of us reconfiguring the station to

425

00:17:26,069 --> 00:17:23,839

support science so

426

00:17:28,630 --> 00:17:26,079

um as far as you know level of

427

00:17:30,390 --> 00:17:28,640

importance i'm not sure it

428

00:17:32,870 --> 00:17:30,400

the reassembly

429

00:17:35,270 --> 00:17:32,880

is there so we can do the science so for

430

00:17:36,950 --> 00:17:35,280

me both of them are important i'm you

431

00:17:40,070 --> 00:17:36,960

know excited about both of them the

432

00:17:41,510 --> 00:17:40,080

science and the reassembly um you know

433

00:17:44,150 --> 00:17:41,520

i've never done a spacewalk so that's

434

00:17:46,310 --> 00:17:44,160

certainly uh interesting to me to to get

435

00:17:49,110 --> 00:17:46,320

to do that we didn't have any what's

436

00:17:51,510 --> 00:17:49,120

called stage space walks evas usc va's

437

00:17:52,870 --> 00:17:51,520

the last time and

438

00:17:54,710 --> 00:17:52,880

you know and it's different and it

439

00:17:57,029 --> 00:17:54,720

provides variety and i think when you're

440

00:17:58,789 --> 00:17:57,039

up there that long if one person was

441

00:18:00,150 --> 00:17:58,799

just responsible for the science that

442

00:18:02,070 --> 00:18:00,160

that wouldn't be a good thing and if one

443

00:18:03,990 --> 00:18:02,080

person was just responsible for the

444

00:18:06,230 --> 00:18:04,000

operations that wouldn't be good either

445

00:18:09,190 --> 00:18:06,240

so i think it's important to share

446

00:18:10,870 --> 00:18:09,200

those responsibilities

447

00:18:12,390 --> 00:18:10,880

you know amongst the different crew

448

00:18:15,430 --> 00:18:12,400

members and you know i look forward to

449

00:18:17,909 --> 00:18:15,440

all of it

450

00:18:20,549 --> 00:18:17,919

okay we're going to switch now uh jsc is

451
00:18:21,990 --> 00:18:20,559
hosting uh some nasa social participants

452
00:18:23,190 --> 00:18:22,000
so with that we'll take a question from

453
00:18:25,669 --> 00:18:23,200
our social media folks and we'll start

454
00:18:28,789 --> 00:18:25,679
here right on the left hi i'm liam

455
00:18:31,350 --> 00:18:28,799
kennedy with iss above and my question

456
00:18:33,190 --> 00:18:31,360
is about a non-science activity that's

457
00:18:34,470 --> 00:18:33,200
very important coming up and that's the

458
00:18:37,510 --> 00:18:34,480
launching of

459
00:18:39,750 --> 00:18:37,520
my fellow uh british uh citizen and

460
00:18:40,630 --> 00:18:39,760
that's sarah brightman

461
00:18:43,510 --> 00:18:40,640
who

462
00:18:47,669 --> 00:18:43,520
on the crew is going to be singing with

463
00:18:50,789 --> 00:18:48,710

all of us

464

00:18:56,310 --> 00:18:50,799

yeah

465

00:19:00,870 --> 00:18:58,630

great a second

466

00:19:03,190 --> 00:19:00,880

hi i'm brenda pike i'm with um thompson

467

00:19:04,710 --> 00:19:03,200

writers technology and i'm wondering if

468

00:19:07,750 --> 00:19:04,720

you talked about sharing your personal

469

00:19:09,190 --> 00:19:07,760

journal and is there a struggle with

470

00:19:11,430 --> 00:19:09,200

yourself and being

471

00:19:12,470 --> 00:19:11,440

seeming confident in your job versus

472

00:19:17,190 --> 00:19:12,480

being

473

00:19:20,870 --> 00:19:17,200

and thoughts especially you know maybe

474

00:19:26,710 --> 00:19:23,590

i suspect i'll be completely transparent

475

00:19:29,270 --> 00:19:26,720

in my feelings because i'm pretty direct

476

00:19:30,310 --> 00:19:29,280

you know i think it's important for

477

00:19:32,470 --> 00:19:30,320

you know

478

00:19:35,270 --> 00:19:32,480

all explorers to know what this kind of

479

00:19:36,390 --> 00:19:35,280

experience is like not just within nasa

480

00:19:38,710 --> 00:19:36,400

and

481

00:19:40,310 --> 00:19:38,720

so i plan to be completely honest about

482

00:19:41,669 --> 00:19:40,320

it um

483

00:19:43,190 --> 00:19:41,679

now having said that i haven't

484

00:19:44,710 --> 00:19:43,200

experienced it yet so who knows maybe

485

00:19:46,630 --> 00:19:44,720

there's some crazy thoughts i'll have at

486

00:19:48,150 --> 00:19:46,640

the end that i wouldn't want to share

487

00:19:50,310 --> 00:19:48,160

but i don't suspect that would be the

488

00:19:53,510 --> 00:19:50,320

case so i think you know what what you

489

00:19:55,909 --> 00:19:53,520

see is what you get

490

00:19:57,909 --> 00:19:55,919

on the side uh the gentleman the red uh

491

00:19:59,909 --> 00:19:57,919

johnny stevenson ceo of real space

492

00:20:01,990 --> 00:19:59,919

education kind of going back to your

493

00:20:03,990 --> 00:20:02,000

personal journal i wanted i wanted to

494

00:20:06,870 --> 00:20:04,000

know if there are any personal items you

495

00:20:11,270 --> 00:20:06,880

guys are going to take up family photos

496

00:20:17,029 --> 00:20:15,270

um we can bring some personal items

497

00:20:18,950 --> 00:20:17,039

as far as we bring in my own personal

498

00:20:21,190 --> 00:20:18,960

items i just generally

499

00:20:24,549 --> 00:20:21,200

you know bring a few things to help me

500

00:20:25,830 --> 00:20:24,559

with my daily activities uh work

501
00:20:27,830 --> 00:20:25,840
actually

502
00:20:30,870 --> 00:20:27,840
for myself i don't really bring mementos

503
00:20:32,789 --> 00:20:30,880
i i look at it like you know why

504
00:20:34,310 --> 00:20:32,799
why why should i have a memento flying

505
00:20:36,310 --> 00:20:34,320
in space since i flown in space you know

506
00:20:39,270 --> 00:20:36,320
it doesn't seem to make much sense to me

507
00:20:40,630 --> 00:20:39,280
but uh that's just that's just me

508
00:20:41,830 --> 00:20:40,640
i see things differently than other

509
00:20:43,590 --> 00:20:41,840
people sometimes

510
00:20:44,710 --> 00:20:43,600
but um

511
00:20:49,909 --> 00:20:44,720
so

512
00:20:51,830 --> 00:20:49,919
would bring like i brought a little tool

513
00:20:53,990 --> 00:20:51,840

pouch that i could wear on my belt that

514

00:20:55,750 --> 00:20:54,000

makes carrying the tools around easier

515

00:20:57,669 --> 00:20:55,760

that that kind of thing

516

00:21:00,070 --> 00:20:57,679

and you know some clothing items that

517

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

the program doesn't do a really they do

518

00:21:03,110 --> 00:21:01,520

a great job of supplying things but

519

00:21:04,390 --> 00:21:03,120

certain things they they we don't have a

520

00:21:06,230 --> 00:21:04,400

lot of options like certain kinds of

521

00:21:07,029 --> 00:21:06,240

sweatshirts and sweatpants things like

522

00:21:10,310 --> 00:21:07,039

that

523

00:21:13,430 --> 00:21:10,320

certain kind of shoes for using the

524

00:21:15,110 --> 00:21:13,440

weightlifting device we have so i bought

525

00:21:16,310 --> 00:21:15,120

special kind of shoes that would be i

526

00:21:19,190 --> 00:21:16,320

thought would be better for that this

527

00:21:21,830 --> 00:21:19,200

time but then you fly things for your

528

00:21:25,270 --> 00:21:21,840

family and friends and other people like

529

00:21:27,750 --> 00:21:25,280

you know mementos watch pin jewelry

530

00:21:29,350 --> 00:21:27,760

things like that and i definitely do

531

00:21:31,029 --> 00:21:29,360

that kind of thing as far as pictures

532

00:21:33,029 --> 00:21:31,039

are concerned you know we got the

533

00:21:35,029 --> 00:21:33,039

internet we got emails so bringing a

534

00:21:36,390 --> 00:21:35,039

bunch of pictures up there isn't that uh

535

00:21:37,510 --> 00:21:36,400

that critical because you can always get

536

00:21:38,710 --> 00:21:37,520

them later

537

00:21:39,909 --> 00:21:38,720

thank you

538

00:21:41,510 --> 00:21:39,919

did either of you guys want to add

539

00:21:53,510 --> 00:21:41,520

anything that you're flying

540

00:21:56,710 --> 00:21:55,029

that it's hard to pick something to take

541

00:21:58,310 --> 00:21:56,720

with you because you have the internet

542

00:21:59,590 --> 00:21:58,320

you have email so it's hard to pick

543

00:22:02,070 --> 00:21:59,600

something that you wouldn't be able to

544

00:22:03,830 --> 00:22:02,080

get through that

545

00:22:07,350 --> 00:22:03,840

is talisman

546

00:22:07,360 --> 00:22:13,750

it's a little snowman

547

00:22:17,110 --> 00:22:15,430

i've taken it with me on my last three

548

00:22:18,710 --> 00:22:17,120

flights my youngest daughter gave it to

549

00:22:22,070 --> 00:22:18,720

me and so i'll take it along this time

550

00:22:37,350 --> 00:22:23,750

everything else the internet and email

551
00:22:37,360 --> 00:22:48,950
foreign

552
00:22:53,350 --> 00:22:50,710
well i'm a little bit different in this

553
00:22:55,590 --> 00:22:53,360
respect yes you do have the internet but

554
00:22:56,950 --> 00:22:55,600
i'm more traditional i will take a

555
00:22:58,870 --> 00:22:56,960
picture

556
00:23:01,110 --> 00:22:58,880
of my parents with me unfortunately they

557
00:23:03,029 --> 00:23:01,120
are no longer here with us

558
00:23:04,870 --> 00:23:03,039
they flew with me in my first flight and

559
00:23:07,590 --> 00:23:04,880
they will be coming back again and i

560
00:23:08,549 --> 00:23:07,600
will take a picture of my

561
00:23:10,310 --> 00:23:08,559
very family

562
00:23:12,230 --> 00:23:10,320
okay we have time for one more question

563
00:23:15,029 --> 00:23:12,240

over here go ahead and agree

564

00:23:17,430 --> 00:23:15,039

hey kim davis um and with the nasa

565

00:23:19,029 --> 00:23:17,440

social i'm a teacher which the whole

566

00:23:21,270 --> 00:23:19,039

fourth grade at least got academy in

567

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

auburn alabama is currently watching

568

00:23:25,750 --> 00:23:23,600

um and my homeroom wanted me to ask you

569

00:23:28,310 --> 00:23:25,760

know even young children have social

570

00:23:30,470 --> 00:23:28,320

media these days or their parents showed

571

00:23:32,710 --> 00:23:30,480

them things on theirs and so i've given

572

00:23:34,549 --> 00:23:32,720

in that's the instagram accounts i've

573

00:23:35,750 --> 00:23:34,559

given that's a twitter account to the

574

00:23:37,830 --> 00:23:35,760

kids but

575

00:23:41,430 --> 00:23:37,840

is there anything that you will be using

576

00:23:42,950 --> 00:23:41,440

social media wise that they can use

577

00:23:44,710 --> 00:23:42,960

um to keep up with you guys while you're

578

00:23:47,510 --> 00:23:44,720

there

579

00:23:50,870 --> 00:23:47,520

well i plan on using the uh you know the

580

00:23:53,909 --> 00:23:52,149

name and

581

00:23:55,190 --> 00:23:53,919

you know address or whatever that i used

582

00:23:56,549 --> 00:23:55,200

last time

583

00:23:58,470 --> 00:23:56,559

so

584

00:24:00,470 --> 00:23:58,480

you know they could be follow on that

585

00:24:02,310 --> 00:24:00,480

and also facebook i had a kind of a

586

00:24:04,470 --> 00:24:02,320

public facebook last time and i'll do

587

00:24:06,230 --> 00:24:04,480

that as well maybe instagram and vine

588

00:24:07,830 --> 00:24:06,240

and things like that i haven't thought

589

00:24:09,350 --> 00:24:07,840

about that a whole lot of you know a

590

00:24:10,630 --> 00:24:09,360

couple weeks of bike in order to sort

591

00:24:13,430 --> 00:24:10,640

out those things

592

00:24:14,950 --> 00:24:13,440

um before launch um

593

00:24:16,710 --> 00:24:14,960

so that's great though that they can

594

00:24:19,750 --> 00:24:16,720

they can follow along and you know i'll

595

00:24:20,549 --> 00:24:19,760

keep that in mind uh that fourth graders

596

00:24:21,669 --> 00:24:20,559

are

597

00:24:23,269 --> 00:24:21,679

i never

598

00:24:25,510 --> 00:24:23,279

quite considered that but now keep in

599

00:24:27,830 --> 00:24:25,520

mind that fourth graders are following

600

00:24:29,909 --> 00:24:27,840

us on twitter and at times i will talk

601
00:24:32,549 --> 00:24:29,919
to the fourth graders and talk to the

602
00:24:34,470 --> 00:24:32,559
you know elementary school kids um and

603
00:24:37,110 --> 00:24:34,480
make tweets that might interest them so

604
00:24:41,990 --> 00:24:37,120
if they seem a little bit goofy

605
00:24:45,190 --> 00:24:43,510
okay with that i think we will switch

606
00:24:47,510 --> 00:24:45,200
over to the phone bridge we have another

607
00:24:48,630 --> 00:24:47,520
of a number of media rather tying us

608
00:24:50,630 --> 00:24:48,640
into

609
00:24:55,990 --> 00:24:50,640
the conference by phone we'll start with

610
00:25:02,470 --> 00:24:59,190
thank you for scott kelly

611
00:25:04,070 --> 00:25:02,480
with the wisdom of hindsight um

612
00:25:06,710 --> 00:25:04,080
is there something that

613
00:25:08,549 --> 00:25:06,720

that you think on the second flight

614

00:25:10,390 --> 00:25:08,559

you'll miss that you didn't realize

615

00:25:13,510 --> 00:25:10,400

ahead of your first flight that would be

616

00:25:13,520 --> 00:25:16,630

um

617

00:25:21,830 --> 00:25:19,750

something i'll miss on earth you mean

618

00:25:23,990 --> 00:25:21,840

um obviously

619

00:25:25,990 --> 00:25:24,000

uh

620

00:25:27,669 --> 00:25:26,000

you know there were things that i

621

00:25:29,990 --> 00:25:27,679

on my first flight that i didn't realize

622

00:25:32,310 --> 00:25:30,000

i i would miss so obvi on this second

623

00:25:33,830 --> 00:25:32,320

flight i know about that like you know

624

00:25:36,230 --> 00:25:33,840

the weather

625

00:25:37,830 --> 00:25:36,240

you know how it never changes on on the

626

00:25:39,190 --> 00:25:37,840

space station even though it's a pretty

627

00:25:40,630 --> 00:25:39,200

nice environment

628

00:25:43,110 --> 00:25:40,640

i guess it's like living in southern

629

00:25:44,630 --> 00:25:43,120

california people get sick of it

630

00:25:46,149 --> 00:25:44,640

people get sick of the good weather

631

00:25:47,909 --> 00:25:46,159

after a while so we have a nice

632

00:25:50,549 --> 00:25:47,919

environment there but you

633

00:25:52,470 --> 00:25:50,559

it never changes so you do get gets a

634

00:25:54,230 --> 00:25:52,480

little bit fatiguing

635

00:25:55,830 --> 00:25:54,240

i was really looking forward to the rain

636

00:25:57,269 --> 00:25:55,840

last time and then i got back to houston

637

00:25:59,029 --> 00:25:57,279

we were in a drought and it never didn't

638

00:26:00,789 --> 00:25:59,039

rain for three months

639

00:26:03,029 --> 00:26:00,799

so um

640

00:26:03,830 --> 00:26:03,039

trying to think what else with hindsight

641

00:26:06,070 --> 00:26:03,840

i would

642

00:26:40,470 --> 00:26:06,080

i don't know if you guys have any

643

00:26:45,110 --> 00:26:42,870

well i fully agree with you scott as our

644

00:26:45,990 --> 00:26:45,120

song says we dream of the grass by our

645

00:26:48,070 --> 00:26:46,000

home

646

00:26:49,909 --> 00:26:48,080

and it's true that's what we dream of

647

00:26:51,830 --> 00:26:49,919

the water also that doesn't fly around

648

00:26:54,710 --> 00:26:51,840

in bubbles but what are that you can

649

00:26:56,870 --> 00:26:54,720

actually swim in the forests the fields

650

00:27:04,070 --> 00:26:56,880

that kind of thing

651
00:27:07,190 --> 00:27:05,590
actually i don't miss anything on earth

652
00:27:09,269 --> 00:27:07,200
and that's why i plan to fly for the

653
00:27:12,789 --> 00:27:09,279
fifth time so that i can finally get to

654
00:27:16,470 --> 00:27:14,070
nice

655
00:27:20,549 --> 00:27:16,480
okay we'll move on to our next reporter

656
00:27:24,549 --> 00:27:22,389
hi thanks so much for taking my question

657
00:27:26,470 --> 00:27:24,559
um i am just curious and this is this is

658
00:27:27,350 --> 00:27:26,480
for anybody who would like to answer it

659
00:27:29,350 --> 00:27:27,360
um

660
00:27:32,149 --> 00:27:29,360
is there a particular site that you're

661
00:27:33,830 --> 00:27:32,159
looking forward to being out the window

662
00:27:35,430 --> 00:27:33,840
or at the cibola

663
00:27:37,269 --> 00:27:35,440

on the station so

664

00:27:39,510 --> 00:27:37,279

we'd be brushing up on any

665

00:27:43,750 --> 00:27:39,520

photography skills in order to capture

666

00:27:43,760 --> 00:27:46,389

well

667

00:27:50,070 --> 00:27:47,990

you know the bahamas are always

668

00:27:51,990 --> 00:27:50,080

beautiful from space it's the bluest

669

00:27:54,149 --> 00:27:52,000

place on earth it's kind of i look

670

00:27:56,549 --> 00:27:54,159

forward to seeing that again also

671

00:27:58,070 --> 00:27:56,559

you know deserts are surprisingly

672

00:27:59,990 --> 00:27:58,080

beautiful

673

00:28:01,110 --> 00:28:00,000

um

674

00:28:02,789 --> 00:28:01,120

as far as

675

00:28:04,710 --> 00:28:02,799

you know photography skills and things

676

00:28:06,549 --> 00:28:04,720

like that what i do look forward to is

677

00:28:07,510 --> 00:28:06,559

is trying to take pictures of the same

678

00:28:09,830 --> 00:28:07,520

spot

679

00:28:11,350 --> 00:28:09,840

on the earth you know multiple every at

680

00:28:12,630 --> 00:28:11,360

every opportunity throughout the whole

681

00:28:15,190 --> 00:28:12,640

year to see

682

00:28:16,789 --> 00:28:15,200

the changes um you know not only from a

683

00:28:19,110 --> 00:28:16,799

scientific perspective and hopefully

684

00:28:20,789 --> 00:28:19,120

there is a scientific aspect to that but

685

00:28:22,549 --> 00:28:20,799

also just from an aesthetic you know

686

00:28:24,549 --> 00:28:22,559

human aspect

687

00:28:27,350 --> 00:28:24,559

um you know seeing how the earth changes

688

00:28:30,389 --> 00:28:27,360

over a year so i do plan on

689

00:28:32,710 --> 00:28:30,399

identifying like one spot on each uh on

690

00:28:34,230 --> 00:28:32,720

each continent

691

00:28:36,070 --> 00:28:34,240

that we could see you know even

692

00:28:37,350 --> 00:28:36,080

antarctica you can kind of

693

00:28:39,990 --> 00:28:37,360

get a

694

00:28:41,750 --> 00:28:40,000

glancing blow occasionally to be able to

695

00:28:44,549 --> 00:28:41,760

see it so

696

00:28:46,630 --> 00:28:44,559

as i don't remember the sights i i chose

697

00:28:47,830 --> 00:28:46,640

uh for that with the exception of

698

00:28:49,830 --> 00:28:47,840

um

699

00:28:52,389 --> 00:28:49,840

in uh in north america i'm going to try

700

00:28:54,070 --> 00:28:52,399

to get a picture of my hometown area

701

00:28:55,990 --> 00:28:54,080

which is basically the new york city

702

00:28:59,990 --> 00:28:56,000

metropolitan surrounding metropolitan

703

00:29:19,350 --> 00:29:01,909

gennady any specific locations you're

704

00:29:22,389 --> 00:29:21,110

so i'll be doing a lot of ecology on

705

00:29:30,149 --> 00:29:22,399

station which is what i did in my

706

00:29:34,870 --> 00:29:32,549

and i'm most interested in the areas

707

00:29:40,710 --> 00:29:34,880

that are undergoing major changes and

708

00:29:50,870 --> 00:29:43,909

also places where we affect the earth

709

00:30:01,029 --> 00:29:52,789

these are places where we are getting

710

00:30:04,789 --> 00:30:03,350

i have a whole list of such places for

711

00:30:06,230 --> 00:30:04,799

the whole flight

712

00:30:08,230 --> 00:30:06,240

these are items that i plan to take

713

00:30:19,430 --> 00:30:08,240

pictures of

714

00:30:24,549 --> 00:30:21,190

before my first flight i climbed mount

715

00:30:24,559 --> 00:30:32,310

there was a great glacier there uh

716

00:30:32,320 --> 00:30:36,070

photography

717

00:30:40,710 --> 00:30:38,230

and when i flew up of course i tried to

718

00:30:42,389 --> 00:30:40,720

find mount kilimanjaro from space to

719

00:31:05,269 --> 00:30:42,399

take a picture to see what it looks like

720

00:31:08,149 --> 00:31:06,630

and of course now when i go for the

721

00:31:10,389 --> 00:31:08,159

second time i will try to find that

722

00:31:11,269 --> 00:31:10,399

glacier again and see if it's still

723

00:31:13,750 --> 00:31:11,279

there

724

00:31:15,590 --> 00:31:13,760

it is going slowly and this is a

725

00:31:17,430 --> 00:31:15,600

continuation of the thoughts both by

726

00:31:21,110 --> 00:31:17,440

gennady and scott it has to do with our

727

00:31:24,870 --> 00:31:21,909

okay

728

00:31:27,669 --> 00:31:24,880

um next question will be from omar viola

729

00:31:29,669 --> 00:31:27,679

franca with cbs news

730

00:31:32,230 --> 00:31:29,679

hi good afternoon just a quick question

731

00:31:35,830 --> 00:31:32,240

is there something that happens in space

732

00:31:37,990 --> 00:31:35,840

these are either visually or physically

733

00:31:40,389 --> 00:31:38,000

that anyone there actually looks forward

734

00:31:42,470 --> 00:31:40,399

to that doesn't happen on earth maybe

735

00:31:45,350 --> 00:31:42,480

something that gets you kind of geeked

736

00:31:48,470 --> 00:31:45,360

out and excited and validates why

737

00:31:50,470 --> 00:31:48,480

you chose this profession

738

00:31:53,269 --> 00:31:50,480

well it's a lot of fun i mean it's the

739

00:31:56,870 --> 00:31:53,279

most fun you can have i think

740

00:31:58,870 --> 00:31:56,880

space station is a magical place

741

00:32:00,950 --> 00:31:58,880

but you know there are negative effects

742

00:32:02,789 --> 00:32:00,960

on our our physiology with regards to

743

00:32:05,190 --> 00:32:02,799

bone and muscle loss and

744

00:32:07,190 --> 00:32:05,200

effects on our vision uh

745

00:32:12,230 --> 00:32:07,200

immune system

746

00:32:16,549 --> 00:32:13,990

so you know and generally there aren't

747

00:32:18,710 --> 00:32:16,559

any positive physiological effects that

748

00:32:20,870 --> 00:32:18,720

we've we've determined yet maybe we'll

749

00:32:23,110 --> 00:32:20,880

find that out by staying on the space

750

00:32:25,269 --> 00:32:23,120

station for a year maybe we'll come back

751

00:32:29,190 --> 00:32:25,279

smarter that'd be great you do come back

752

00:32:31,269 --> 00:32:29,200

a little taller you told you

753

00:32:33,269 --> 00:32:31,279

yeah you do grow on when you're up there

754

00:32:34,230 --> 00:32:33,279

for a long time unfortunately it doesn't

755

00:32:37,909 --> 00:32:34,240

last

756

00:32:41,029 --> 00:32:37,919

stand next to my brother

757

00:32:43,590 --> 00:32:41,039

and look down at him a little bit

758

00:32:59,190 --> 00:32:43,600

one little positive

759

00:33:02,310 --> 00:33:00,710

well it's hard to add anything to what

760

00:33:04,070 --> 00:33:02,320

scott said basically he covered

761

00:33:06,230 --> 00:33:04,080

everything if we were flying for the

762

00:33:08,310 --> 00:33:06,240

first time we might expect something

763

00:33:11,029 --> 00:33:08,320

unexpected but now we know what to

764

00:33:13,269 --> 00:33:11,039

expect you do you do have a better

765

00:33:16,389 --> 00:33:13,279

appreciation for the earth and its

766

00:33:18,149 --> 00:33:16,399

fragility by looking out the window

767

00:33:19,269 --> 00:33:18,159

especially on your first flight and

768

00:33:21,190 --> 00:33:19,279

seeing

769

00:33:23,269 --> 00:33:21,200

this film over the

770

00:33:25,269 --> 00:33:23,279

edge of the planet that is our

771

00:33:27,990 --> 00:33:25,279

atmosphere so

772

00:33:30,549 --> 00:33:28,000

you know you do get that different uh

773

00:33:32,389 --> 00:33:30,559

you know i think that's a positive

774

00:33:34,710 --> 00:33:32,399

effect you get from flying it's a

775

00:33:50,470 --> 00:33:34,720

definite appreciation for how fragile

776

00:33:55,990 --> 00:33:52,149

i'm very interested in the medical

777

00:34:02,950 --> 00:33:58,470

because in this case i am the subject of

778

00:34:12,310 --> 00:34:05,110

this will be my fifth flight almost 900

779

00:34:18,310 --> 00:34:14,310

and i'm very interested how this will

780

00:34:24,790 --> 00:34:21,109

it is going to be fascinating um moving

781

00:34:26,069 --> 00:34:24,800

on we have irene klutz with reuters

782

00:34:28,069 --> 00:34:26,079

hi thank you

783

00:34:30,310 --> 00:34:28,079

uh continuing on that subject i'm

784

00:34:32,149 --> 00:34:30,320

wondering if both scott and mikael could

785

00:34:35,270 --> 00:34:32,159

maybe tell us what

786

00:34:36,869 --> 00:34:35,280

um what of all the various things that

787

00:34:39,030 --> 00:34:36,879

you expect to happen

788

00:34:41,510 --> 00:34:39,040

in a very long duration space flight are

789

00:34:44,629 --> 00:34:41,520

you kind of most concerned about or most

790

00:34:48,629 --> 00:34:47,349

well you know i'm hopeful that the the

791

00:34:50,550 --> 00:34:48,639

mitigation

792

00:34:53,909 --> 00:34:50,560

measures we take for

793

00:34:56,550 --> 00:34:53,919

for bone and and muscle loss um

794

00:34:58,470 --> 00:34:56,560

are effective and they

795

00:35:01,349 --> 00:34:58,480

you know so far that's we've had a

796

00:35:05,510 --> 00:35:01,359

pretty positive outcome between you know

797

00:35:07,990 --> 00:35:05,520

our nutrition and exercise mostly on the

798

00:35:09,829 --> 00:35:08,000

uh resistive exercise device

799

00:35:12,470 --> 00:35:09,839

we can um

800

00:35:14,710 --> 00:35:12,480

mitigate the bone loss and you know you

801
00:35:16,310 --> 00:35:14,720
work out so much so you generally are

802
00:35:18,550 --> 00:35:16,320
better

803
00:35:20,710 --> 00:35:18,560
conditioned from with regards to a

804
00:35:22,950 --> 00:35:20,720
muscle uh

805
00:35:24,069 --> 00:35:22,960
you know your muscle mass than when you

806
00:35:25,270 --> 00:35:24,079
left

807
00:35:27,990 --> 00:35:25,280
um

808
00:35:31,109 --> 00:35:28,000
as far as like immune system and effects

809
00:35:33,349 --> 00:35:31,119
to our genetics

810
00:35:35,990 --> 00:35:33,359
you know i'm less confident that we we

811
00:35:37,430 --> 00:35:36,000
know enough about those things and as

812
00:35:39,109 --> 00:35:37,440
well as the vision

813
00:35:40,790 --> 00:35:39,119

issues we've had

814

00:35:42,230 --> 00:35:40,800

so

815

00:35:44,630 --> 00:35:42,240

you know i'm hopeful that there's not a

816

00:35:46,710 --> 00:35:44,640

big cliff out there with regards to our

817

00:35:49,829 --> 00:35:46,720

ability to stay and live and work in

818

00:35:52,150 --> 00:35:49,839

space and for longer periods of time

819

00:35:54,150 --> 00:35:52,160

so i'm hopeful but

820

00:35:56,069 --> 00:35:54,160

you know i i think we're not going to

821

00:35:57,670 --> 00:35:56,079

know that until we've we've actually

822

00:35:59,270 --> 00:35:57,680

done it and you know the russians have

823

00:36:01,270 --> 00:35:59,280

done this before and have

824

00:36:02,790 --> 00:36:01,280

you know a lot of history with this but

825

00:36:05,829 --> 00:36:02,800

you know that was a long time ago before

826

00:36:08,069 --> 00:36:05,839

we had the the medical uh technology

827

00:36:10,470 --> 00:36:08,079

that we do today to to not only

828

00:36:12,550 --> 00:36:10,480

understand the effects but also mitigate

829

00:36:13,910 --> 00:36:12,560

them so i think you know i i look

830

00:36:15,670 --> 00:36:13,920

forward to

831

00:36:17,589 --> 00:36:15,680

coming back and saying hey you know i

832

00:36:20,310 --> 00:36:17,599

think you know and the data suggests

833

00:36:21,510 --> 00:36:20,320

that you know a year is no problem

834

00:36:24,630 --> 00:36:21,520

but uh

835

00:36:26,470 --> 00:36:24,640

we'll have to see the jury's out yeah

836

00:36:31,510 --> 00:36:26,480

okay and one last person from our oh i'm

837

00:36:41,349 --> 00:36:32,870

i want to add something from my own

838

00:36:49,750 --> 00:36:43,270

i think it won't be the physical changes

839

00:37:02,710 --> 00:36:51,829

the psychological aspects will be more

840

00:37:07,270 --> 00:37:05,030

being far away from earth being sort of

841

00:37:11,990 --> 00:37:07,280

crammed and having few people to

842

00:37:14,950 --> 00:37:13,109

and i think that would be the most

843

00:37:16,630 --> 00:37:14,960

difficult for these guys to withstand

844

00:37:22,790 --> 00:37:16,640

that

845

00:37:25,109 --> 00:37:22,800

mission like this in fact um there are

846

00:37:28,470 --> 00:37:25,119

things that they do to help you you know

847

00:37:30,550 --> 00:37:28,480

afford you family conferences uh email

848

00:37:31,750 --> 00:37:30,560

phone calls all those types of things so

849

00:37:34,230 --> 00:37:31,760

yeah we have a great group of people

850

00:37:36,950 --> 00:37:34,240

that helps help us with our

851

00:37:38,950 --> 00:37:36,960

psychological support here for the u.s

852

00:37:40,550 --> 00:37:38,960

crew members in russia for the russian

853

00:37:42,710 --> 00:37:40,560

crew members to keep in contact with

854

00:37:45,270 --> 00:37:42,720

family and you know provide an outlet

855

00:37:48,230 --> 00:37:45,280

for discussing things if you

856

00:37:49,829 --> 00:37:48,240

do have issues so uh you know that's i

857

00:37:51,109 --> 00:37:49,839

mean for me that's the biggest challenge

858

00:37:52,150 --> 00:37:51,119

and people ask me what's the biggest

859

00:37:53,670 --> 00:37:52,160

challenge of this flight and it's

860

00:37:56,870 --> 00:37:53,680

definitely the duration

861

00:37:59,670 --> 00:37:56,880

and uh you know keeping the level of uh

862

00:38:01,750 --> 00:37:59,680

fatigue down enthusiasm up you know

863

00:38:03,990 --> 00:38:01,760

energy reserves to respond to an

864

00:38:04,790 --> 00:38:04,000

emergency

865

00:38:06,790 --> 00:38:04,800

and

866

00:38:09,510 --> 00:38:06,800

you know just your overall

867

00:38:10,550 --> 00:38:09,520

you know mental state of mind being in a

868

00:38:12,310 --> 00:38:10,560

very good

869

00:38:13,510 --> 00:38:12,320

spot when you get to the end of this

870

00:38:15,510 --> 00:38:13,520

long trip

871

00:38:17,270 --> 00:38:15,520

i'm just curious on the first mission

872

00:38:18,870 --> 00:38:17,280

your first long-duration mission were

873

00:38:19,910 --> 00:38:18,880

you surprised at all at how much you

874

00:38:22,230 --> 00:38:19,920

started to look forward to those

875

00:38:24,150 --> 00:38:22,240

conferences and the phone calls or

876

00:38:25,910 --> 00:38:24,160

was it you know pretty much just day of

877

00:38:26,950 --> 00:38:25,920

the life and and not not something that

878

00:38:28,470 --> 00:38:26,960

that was

879

00:38:30,470 --> 00:38:28,480

that big of a deal on the first mission

880

00:38:32,310 --> 00:38:30,480

you know most i think i experience what

881

00:38:34,230 --> 00:38:32,320

most people experience on a long

882

00:38:36,230 --> 00:38:34,240

duration flight and that is

883

00:38:37,829 --> 00:38:36,240

you know when you get

884

00:38:39,349 --> 00:38:37,839

and i'm hoping it's two-thirds of the

885

00:38:41,030 --> 00:38:39,359

way through

886

00:38:42,710 --> 00:38:41,040

but you know which for a six-month

887

00:38:44,310 --> 00:38:42,720

flight is generally about month four

888

00:38:46,390 --> 00:38:44,320

you're kind of like you know i think

889

00:38:48,069 --> 00:38:46,400

i've done everything i need to do here

890

00:38:50,390 --> 00:38:48,079

i'm ready to come home

891

00:38:52,069 --> 00:38:50,400

hopefully that's like a two-thirds

892

00:38:53,750 --> 00:38:52,079

phenomenon and not a four-month

893

00:38:54,550 --> 00:38:53,760

phenomenon

894

00:38:57,030 --> 00:38:54,560

so

895

00:38:58,550 --> 00:38:57,040

um but you do kind of feel like hey you

896

00:39:00,550 --> 00:38:58,560

know i kind of did

897

00:39:04,230 --> 00:39:00,560

you know i've met all my goals we've you

898

00:39:06,470 --> 00:39:04,240

know done this uh mission successfully

899

00:39:08,230 --> 00:39:06,480

so i think russian guys pretty much

900

00:39:13,109 --> 00:39:08,240

experienced saying four months is about

901
00:39:16,870 --> 00:39:14,630
so

902
00:39:19,430 --> 00:39:16,880
okay we have one last reporter marcia

903
00:39:22,150 --> 00:39:19,440
dunn with the associated press

904
00:39:23,670 --> 00:39:22,160
yes hi i'd like to ask both when your

905
00:39:26,069 --> 00:39:23,680
crew members if you're taking any

906
00:39:27,750 --> 00:39:26,079
special health precautions in the next

907
00:39:29,750 --> 00:39:27,760
month washing your hands extra so you

908
00:39:31,750 --> 00:39:29,760
don't get any colds or flu

909
00:39:33,829 --> 00:39:31,760
and do you both have

910
00:39:35,829 --> 00:39:33,839
backups ready to take your place for an

911
00:39:37,829 --> 00:39:35,839
entire year on orbit if something were

912
00:39:40,230 --> 00:39:37,839
to happen to either of you

913
00:39:42,069 --> 00:39:40,240

yeah so i'm uh i'm definitely

914

00:39:42,790 --> 00:39:42,079

conscious of the fact that i don't you

915

00:39:45,030 --> 00:39:42,800

know

916

00:39:47,349 --> 00:39:45,040

want to get into a car accident or break

917

00:39:49,510 --> 00:39:47,359

my ankle running or something like that

918

00:39:51,430 --> 00:39:49,520

i have started carrying the parel in my

919

00:39:53,589 --> 00:39:51,440

pocket more often washing my hands

920

00:39:56,069 --> 00:39:53,599

because there's a somewhat of a flu

921

00:39:56,950 --> 00:39:56,079

epidemic in the u.s right now that i

922

00:39:58,230 --> 00:39:56,960

didn't

923

00:39:59,829 --> 00:39:58,240

you know that would be a problem not

924

00:40:02,630 --> 00:39:59,839

necessarily for launch in two months

925

00:40:04,390 --> 00:40:02,640

from now but would really affect our

926

00:40:06,550 --> 00:40:04,400

training and our training right now if

927

00:40:08,710 --> 00:40:06,560

we were to miss even just one day would

928

00:40:11,190 --> 00:40:08,720

present some problems so i am i am

929

00:40:13,190 --> 00:40:11,200

definitely uh conscious of of that and

930

00:40:14,150 --> 00:40:13,200

that's a very good question marcia

931

00:40:16,150 --> 00:40:14,160

um

932

00:40:19,270 --> 00:40:16,160

as far as our backups

933

00:40:21,910 --> 00:40:19,280

uh we do have backups they are you know

934

00:40:25,270 --> 00:40:21,920

being fully trained and whether they're

935

00:40:26,630 --> 00:40:25,280

ready to go or not they will be trained

936

00:40:28,230 --> 00:40:26,640

whether they're ready you would have to

937

00:40:31,190 --> 00:40:28,240

ask them

938

00:40:33,670 --> 00:40:31,200

so i think i think they are kind of

939

00:40:36,829 --> 00:40:33,680

watching out for our safety as well

940

00:40:39,829 --> 00:40:36,839

they don't want anything to happen to us

941

00:40:41,910 --> 00:40:39,839

either okay um stand by just one second

942

00:40:43,430 --> 00:40:41,920

we have been uh soliciting questions via

943

00:40:44,950 --> 00:40:43,440

social media so we're gonna take a break

944

00:40:47,430 --> 00:40:44,960

to accept some of those megan sumner has

945

00:40:49,990 --> 00:40:47,440

been receiving those questions using

946

00:40:52,150 --> 00:40:50,000

ask nasa go ahead megan um we have one

947

00:40:54,230 --> 00:40:52,160

from john bright what is the best and

948

00:40:57,430 --> 00:40:54,240

worst thing of being in space for all of

949

00:41:00,870 --> 00:40:58,870

you know there's a lot of great things

950

00:41:03,030 --> 00:41:00,880

you know the obvious ones are you know

951
00:41:05,109 --> 00:41:03,040
looking at the earth floating around

952
00:41:06,710 --> 00:41:05,119
microgravity environment that kind of

953
00:41:08,309 --> 00:41:06,720
thing but for me

954
00:41:10,230 --> 00:41:08,319
the best thing is working at something

955
00:41:11,670 --> 00:41:10,240
that's very very challenging you know

956
00:41:15,349 --> 00:41:11,680
ahead of time

957
00:41:17,349 --> 00:41:15,359
for a couple of years training for this

958
00:41:19,670 --> 00:41:17,359
and then you know the challenges that

959
00:41:23,109 --> 00:41:19,680
the space environment presents and how

960
00:41:24,710 --> 00:41:23,119
difficult the missions are

961
00:41:26,950 --> 00:41:24,720
you know i think it's underestimated how

962
00:41:27,910 --> 00:41:26,960
hard this job is once we get in into

963
00:41:30,069 --> 00:41:27,920

space

964

00:41:31,670 --> 00:41:30,079

and then being successful at it and you

965

00:41:32,390 --> 00:41:31,680

know the sense of satisfaction you get

966

00:41:37,670 --> 00:41:32,400

from

967

00:41:39,670 --> 00:41:37,680

and the success you have as a result of

968

00:41:41,349 --> 00:41:39,680

your hard work and i when i talk to kids

969

00:41:43,670 --> 00:41:41,359

i tell them that that's something you

970

00:41:46,630 --> 00:41:43,680

know you can have in whatever career

971

00:41:48,870 --> 00:41:46,640

field you choose um you know

972

00:41:50,309 --> 00:41:48,880

or in most i would say maybe not as a

973

00:41:52,470 --> 00:41:50,319

like if you're a criminal or something

974

00:41:54,069 --> 00:41:52,480

but that was your chosen career field

975

00:41:57,030 --> 00:41:54,079

but

976
00:41:58,710 --> 00:41:57,040
just you know you choose something that

977
00:42:00,630 --> 00:41:58,720
challenges you

978
00:42:01,510 --> 00:42:00,640
whether it's in school

979
00:42:05,109 --> 00:42:01,520
work

980
00:42:09,670 --> 00:42:05,119
yourself for

981
00:42:25,190 --> 00:42:11,829
i know there's a two-part question but

982
00:42:41,750 --> 00:42:27,030
well again coming from my experience and

983
00:42:47,510 --> 00:42:43,670
it is very difficult to identify those

984
00:42:47,520 --> 00:42:53,430
but i always answered it this way

985
00:43:03,109 --> 00:42:55,349
i've always flown up to space into the

986
00:43:09,589 --> 00:43:05,430
and with equal joint enthusiasm i left

987
00:43:09,599 --> 00:43:18,390
mikhail

988
00:43:22,870 --> 00:43:20,550

well the best thing is a good crew and

989

00:43:24,470 --> 00:43:22,880

good compatibility within the crew let's

990

00:43:30,230 --> 00:43:24,480

stay in the u.s

991

00:43:35,109 --> 00:43:31,550

and probably the worst thing is

992

00:43:35,990 --> 00:43:35,119

incompatibility within the crew

993

00:43:38,150 --> 00:43:36,000

okay

994

00:43:40,630 --> 00:43:38,160

next question megan and then we have one

995

00:43:42,470 --> 00:43:40,640

on twitter from katie strong what is the

996

00:43:45,910 --> 00:43:42,480

most exhilarating part of traveling to

997

00:43:50,710 --> 00:43:47,829

traveling

998

00:43:53,349 --> 00:43:50,720

to the iss the most exhilarating part is

999

00:43:55,109 --> 00:43:53,359

the first you know nine minutes or so of

1000

00:43:57,109 --> 00:43:55,119

the flight

1001
00:44:00,309 --> 00:43:57,119
the launch

1002
00:44:02,230 --> 00:44:00,319
and then especially in the soyuz

1003
00:44:03,910 --> 00:44:02,240
that's i think even more exciting than

1004
00:44:05,589 --> 00:44:03,920
maybe even landing the space shuttle is

1005
00:44:07,510 --> 00:44:05,599
the last you know

1006
00:44:09,109 --> 00:44:07,520
30 minutes or so when you come back i

1007
00:44:11,190 --> 00:44:09,119
mean that's about as much fun as you can

1008
00:44:13,109 --> 00:44:11,200
have anywhere i say if i would have

1009
00:44:14,710 --> 00:44:13,119
hated the whole six months i would have

1010
00:44:17,270 --> 00:44:14,720
done it all again for the last 20

1011
00:44:19,030 --> 00:44:17,280
minutes in the soyuz

1012
00:44:20,710 --> 00:44:19,040
it's quite a testament okay

1013
00:44:24,550 --> 00:44:20,720

all right and we'll return back here to

1014

00:44:27,990 --> 00:44:26,150

suppose we tell you

1015

00:44:28,870 --> 00:44:28,000

you're back

1016

00:44:31,589 --> 00:44:28,880

now

1017

00:44:35,270 --> 00:44:31,599

a two-year mission to go to mars show of

1018

00:44:41,190 --> 00:44:37,349

once we get back once you get back i'm

1019

00:44:43,190 --> 00:44:41,200

not back yet okay i'll ask you then okay

1020

00:44:46,550 --> 00:44:43,200

okay so we'll hold that question okay go

1021

00:44:48,790 --> 00:44:46,560

ahead is there any um family ribbing for

1022

00:44:51,430 --> 00:44:48,800

the twin project or anything that you

1023

00:44:53,750 --> 00:44:51,440

guys are looking forward to

1024

00:44:55,270 --> 00:44:53,760

between you and your brother

1025

00:44:56,470 --> 00:44:55,280

maybe if we had another sibling they

1026

00:44:59,349 --> 00:44:56,480

would kind of

1027

00:45:00,630 --> 00:44:59,359

give us the business over it but uh

1028

00:45:03,030 --> 00:45:00,640

um

1029

00:45:04,230 --> 00:45:03,040

no he's very enthusiastic to

1030

00:45:06,150 --> 00:45:04,240

you know he doesn't work for nasa

1031

00:45:08,390 --> 00:45:06,160

anymore and it's you know he thinks it's

1032

00:45:10,790 --> 00:45:08,400

great that he can still be a participant

1033

00:45:11,990 --> 00:45:10,800

in this i mean for him it's a fantastic

1034

00:45:13,349 --> 00:45:12,000

opportunity

1035

00:45:15,109 --> 00:45:13,359

you know even though he doesn't get paid

1036

00:45:16,950 --> 00:45:15,119

a whole lot to do it he still you know

1037

00:45:19,030 --> 00:45:16,960

enthusiastically comes here and does the

1038

00:45:21,829 --> 00:45:19,040

science and does this

1039

00:45:23,910 --> 00:45:21,839

data collection at home he's basically

1040

00:45:24,790 --> 00:45:23,920

he's just he's a volunteer

1041

00:45:26,550 --> 00:45:24,800

and

1042

00:45:28,790 --> 00:45:26,560

he he likes the fact that he can still

1043

00:45:30,230 --> 00:45:28,800

be involved

1044

00:45:31,589 --> 00:45:30,240

okay

1045

00:45:34,870 --> 00:45:31,599

what milestones are you most looking

1046

00:45:39,910 --> 00:45:38,309

you know i think the big ones um

1047

00:45:43,349 --> 00:45:39,920

you know the other you know when crew

1048

00:45:45,750 --> 00:45:43,359

members come and go that's you know it's

1049

00:45:47,109 --> 00:45:45,760

you know even if you like everyone it's

1050

00:45:49,270 --> 00:45:47,119

that you're there with which was my

1051
00:45:51,270 --> 00:45:49,280
experience on all my flights you know

1052
00:45:52,470 --> 00:45:51,280
especially on the long duration flight

1053
00:45:54,069 --> 00:45:52,480
you know you could be having a great

1054
00:45:55,589 --> 00:45:54,079
time with the people you're there but

1055
00:45:57,190 --> 00:45:55,599
you know kind of when they leave it's

1056
00:45:58,630 --> 00:45:57,200
it's a change and it's nice it's a

1057
00:46:00,630 --> 00:45:58,640
little less hectic

1058
00:46:02,069 --> 00:46:00,640
and then you know two weeks later when

1059
00:46:03,349 --> 00:46:02,079
the new people come up especially if

1060
00:46:05,750 --> 00:46:03,359
it's someone who's never flown in space

1061
00:46:07,750 --> 00:46:05,760
before especially now with the flight

1062
00:46:09,829 --> 00:46:07,760
day one rendezvous when you see someone

1063
00:46:11,270 --> 00:46:09,839

show up on the space station within you

1064

00:46:12,950 --> 00:46:11,280

know six or seven hours of them

1065

00:46:16,309 --> 00:46:12,960

launching and never being in space

1066

00:46:18,150 --> 00:46:16,319

before i really look forward to that um

1067

00:46:22,470 --> 00:46:18,160

you know and then the big events you

1068

00:46:24,390 --> 00:46:22,480

know the the visiting vehicles the evas

1069

00:46:26,630 --> 00:46:24,400

some of the big science that we do

1070

00:46:28,870 --> 00:46:26,640

that's very concentrated periods of time

1071

00:46:30,069 --> 00:46:28,880

where we do research like with animals

1072

00:46:31,829 --> 00:46:30,079

and stuff that's

1073

00:46:32,870 --> 00:46:31,839

something that uh you know i look

1074

00:46:34,309 --> 00:46:32,880

forward to

1075

00:46:35,910 --> 00:46:34,319

and i think you know the general you

1076
00:46:38,550 --> 00:46:35,920
know milestones of hey we've been here

1077
00:46:40,829 --> 00:46:38,560
100 days 200 300

1078
00:46:42,870 --> 00:46:40,839
holidays birthdays i

1079
00:46:45,829 --> 00:46:42,880
mean you know all three of us will have

1080
00:46:48,550 --> 00:46:45,839
a birthday in space this time

1081
00:46:51,430 --> 00:46:49,589
yeah

1082
00:46:53,030 --> 00:46:51,440
all three of us will not all the crew

1083
00:46:55,510 --> 00:46:53,040
members will on board while we're there

1084
00:46:57,349 --> 00:46:55,520
but but some of us will those things are

1085
00:46:59,349 --> 00:46:57,359
exciting

1086
00:47:00,950 --> 00:46:59,359
okay and any other questions just raise

1087
00:47:02,870 --> 00:47:00,960
your hand go ahead eric

1088
00:47:05,349 --> 00:47:02,880

have you guys had any special conflict

1089

00:47:06,390 --> 00:47:05,359

resolution training as a part of this i

1090

00:47:09,030 --> 00:47:06,400

mean it's a one year you know it's a

1091

00:47:13,829 --> 00:47:09,040

long time to be up there with

1092

00:47:18,390 --> 00:47:17,109

specific training

1093

00:47:21,190 --> 00:47:18,400

you know we have

1094

00:47:22,549 --> 00:47:21,200

you know every few months we'll talk

1095

00:47:23,829 --> 00:47:22,559

and i don't know if the cosmonauts do

1096

00:47:24,870 --> 00:47:23,839

this but we do this here you'll talk

1097

00:47:26,950 --> 00:47:24,880

with the

1098

00:47:29,510 --> 00:47:26,960

psych support team of

1099

00:47:31,030 --> 00:47:29,520

psychologists and

1100

00:47:32,790 --> 00:47:31,040

psychiatrists

1101
00:47:34,069 --> 00:47:32,800
and we also do that when we're on orbit

1102
00:47:36,069 --> 00:47:34,079
every two weeks

1103
00:47:38,150 --> 00:47:36,079
i think i think these guys do they have

1104
00:47:40,390 --> 00:47:38,160
i know they have that that same team of

1105
00:47:42,549 --> 00:47:40,400
people so you do talk to those guys and

1106
00:47:45,750 --> 00:47:42,559
i you know i think at times

1107
00:47:47,910 --> 00:47:45,760
we have discussed that topic

1108
00:47:50,150 --> 00:47:47,920
as far as having you know specific

1109
00:47:52,390 --> 00:47:50,160
training like you know a government

1110
00:47:54,470 --> 00:47:52,400
program on conflict resolution that

1111
00:47:57,030 --> 00:47:54,480
maybe people that have had conflicts in

1112
00:47:58,710 --> 00:47:57,040
the workplace would have to take as a

1113
00:48:01,190 --> 00:47:58,720

mandatory part of their continued

1114

00:48:03,030 --> 00:48:01,200

employment which i'm sure exists

1115

00:48:04,549 --> 00:48:03,040

somewhere in the u.s government we

1116

00:48:07,270 --> 00:48:04,559

haven't i haven't never had anything

1117

00:48:08,630 --> 00:48:07,280

like that okay we have time for one last

1118

00:48:09,750 --> 00:48:08,640

question sorry bill

1119

00:48:11,510 --> 00:48:09,760

well um

1120

00:48:12,870 --> 00:48:11,520

along those same lines uh since mikhail

1121

00:48:14,309 --> 00:48:12,880

said that compatibility is such a big

1122

00:48:17,109 --> 00:48:14,319

issue you guys didn't choose each other

1123

00:48:18,630 --> 00:48:17,119

so how do you guys get along

1124

00:48:19,670 --> 00:48:18,640

we get along great

1125

00:48:21,829 --> 00:48:19,680

and

1126

00:48:24,870 --> 00:48:21,839

you know i couldn't ask for a better

1127

00:48:26,549 --> 00:48:24,880

uh two you know professional cosmonauts

1128

00:48:29,030 --> 00:48:26,559

to fly with and you know we're all great

1129

00:48:30,549 --> 00:48:29,040

friends and i look really forward to

1130

00:48:33,430 --> 00:48:30,559

spending time and

1131

00:48:35,430 --> 00:48:33,440

space with these guys i'll be very sad

1132

00:48:38,309 --> 00:48:35,440

when gennady leaves

1133

00:48:40,630 --> 00:48:38,319

but he said he will be in in baikonur uh

1134

00:48:42,309 --> 00:48:40,640

when we land six months after he departs

1135

00:48:43,990 --> 00:48:42,319

the space station and he says he's going

1136

00:48:47,829 --> 00:48:44,000

to carry misha and i out of the soyuz

1137

00:48:51,910 --> 00:48:50,309

okay we have time for one more question

1138

00:48:53,829 --> 00:48:51,920

megan will take this one from social

1139

00:48:55,670 --> 00:48:53,839

media from our followers watching along

1140

00:48:57,430 --> 00:48:55,680

all right from twitter carrie lynn wants

1141

00:48:59,270 --> 00:48:57,440

to know are you worried at all about the

1142

00:49:01,190 --> 00:48:59,280

long-term side effects of spending one

1143

00:49:02,710 --> 00:49:01,200

year in zero gravity i know we touched

1144

00:49:04,230 --> 00:49:02,720

on a little bit but how are you feeling

1145

00:49:06,309 --> 00:49:04,240

about that

1146

00:49:08,150 --> 00:49:06,319

you know the radiation is certainly uh

1147

00:49:09,910 --> 00:49:08,160

somewhat of a concern but that's type of

1148

00:49:11,030 --> 00:49:09,920

thing that it's you know a long-term

1149

00:49:12,790 --> 00:49:11,040

thing and

1150

00:49:15,990 --> 00:49:12,800

you know

1151

00:49:17,910 --> 00:49:16,000

able to point to if you ever wound up

1152

00:49:20,150 --> 00:49:17,920

with some kind of bad cancer whether it

1153

00:49:22,549 --> 00:49:20,160

was actually due to that you know

1154

00:49:25,030 --> 00:49:22,559

pc or dna getting damaged from some kind

1155

00:49:25,910 --> 00:49:25,040

of cosmic radiation or

1156

00:49:27,589 --> 00:49:25,920

so

1157

00:49:29,829 --> 00:49:27,599

it's definitely a concern but you know

1158

00:49:31,510 --> 00:49:29,839

we do our best to mitigate that and

1159

00:49:33,109 --> 00:49:31,520

understand that you know space flight

1160

00:49:34,790 --> 00:49:33,119

has risks

1161

00:49:36,790 --> 00:49:34,800

and that's one of them you know as far

1162

00:49:38,549 --> 00:49:36,800

as the other wrist vision

1163

00:49:39,750 --> 00:49:38,559

um

1164

00:49:41,750 --> 00:49:39,760

you know i'm pretty sure i'll be able to

1165

00:49:44,470 --> 00:49:41,760

see when i get back maybe not as well

1166

00:49:46,309 --> 00:49:44,480

hopefully it'll return

1167

00:49:48,630 --> 00:49:46,319

i had a little bit of a degradation last

1168

00:49:49,990 --> 00:49:48,640

time so i suspect something similar

1169

00:49:51,430 --> 00:49:50,000

bone loss

1170

00:49:54,069 --> 00:49:51,440

you know i think we do a good job of

1171

00:49:55,990 --> 00:49:54,079

mitigating that but it is a concern as

1172

00:49:57,670 --> 00:49:56,000

you get over the age of 50 if you break

1173

00:49:59,990 --> 00:49:57,680

your hip it's not a it's not an

1174

00:50:01,670 --> 00:50:00,000

insignificant deal and we have had

1175

00:50:03,270 --> 00:50:01,680

astronauts that have broken their hips

1176
00:50:04,470 --> 00:50:03,280
after long duration space flight so

1177
00:50:05,750 --> 00:50:04,480
that's something that

1178
00:50:07,430 --> 00:50:05,760
you know i'm definitely

1179
00:50:09,750 --> 00:50:07,440
conscious of and

1180
00:50:11,030 --> 00:50:09,760
is somewhat concerning

1181
00:50:13,430 --> 00:50:11,040
all right well that's all the time we

1182
00:50:14,790 --> 00:50:13,440
have uh today but thank you gentlemen so

1183
00:50:16,790 --> 00:50:14,800
much for joining us of course we all

1184
00:50:18,950 --> 00:50:16,800
wish you well on your mission again just

1185
00:50:22,470 --> 00:50:18,960
a reminder for folks the launch is march

1186
00:50:23,910 --> 00:50:22,480
27th at 2 42 p.m central time here in

1187
00:50:25,430 --> 00:50:23,920
the united states

1188
00:50:27,510 --> 00:50:25,440

they'll be docking to the international

1189

00:50:29,589 --> 00:50:27,520

space station six hours later to begin

1190

00:50:31,510 --> 00:50:29,599

this historic mission you can follow

1191

00:50:34,230 --> 00:50:31,520

along on their mission using all the

1192

00:50:37,349 --> 00:50:34,240

social media channels including scott's

1193

00:50:38,870 --> 00:50:37,359

twitter at stationcdr kelly and using

1194

00:50:39,750 --> 00:50:38,880

the hashtag

1195

00:50:42,470 --> 00:50:39,760

sorry

1196

00:50:43,829 --> 00:50:42,480

iss one year thank you so much