



1  
00:00:03,750 --> 00:00:02,230  
good afternoon thank you for joining us

2  
00:00:06,389 --> 00:00:03,760  
for today's news conference with members

3  
00:00:09,110 --> 00:00:06,399  
of the expedition 32 and 33 cruise

4  
00:00:11,589 --> 00:00:09,120  
joining me today are sunita williams

5  
00:00:13,749 --> 00:00:11,599  
cosmonaut yuri malenchenko and japanese

6  
00:00:15,669 --> 00:00:13,759  
astronaut aki hoshide

7  
00:00:17,189 --> 00:00:15,679  
expedition 32 begins with the soyuz

8  
00:00:18,710 --> 00:00:17,199  
tma-03m

9  
00:00:20,230 --> 00:00:18,720  
undocking in july

10  
00:00:21,910 --> 00:00:20,240  
these three crew members are scheduled

11  
00:00:24,550 --> 00:00:21,920  
to launch on july 15th and join their

12  
00:00:27,429 --> 00:00:24,560  
expedition 32 counterparts joe acabi

13  
00:00:29,910 --> 00:00:27,439

acaba gennady padalka and sergey revin

14

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

will arrive on the station in mid-may

15

00:00:34,790 --> 00:00:32,640

once joe gennady and sergey depart sunny

16

00:00:37,190 --> 00:00:34,800

aki and yuri will remain on board to

17

00:00:38,790 --> 00:00:37,200

begin expedition 33 and sunny will

18

00:00:40,549 --> 00:00:38,800

transition from flight engineer to the

19

00:00:41,590 --> 00:00:40,559

role of station commander they're

20

00:00:44,229 --> 00:00:41,600

scheduled to conclude their

21

00:00:46,310 --> 00:00:44,239

long-duration mission in november 12th

22

00:00:48,470 --> 00:00:46,320

sunny was born in ohio but considers

23

00:00:50,150 --> 00:00:48,480

needham massachusetts to be her hometown

24

00:00:51,590 --> 00:00:50,160

she holds degrees from the u.s naval

25

00:00:52,709 --> 00:00:51,600

academy and the florida institute of

26

00:00:55,350 --> 00:00:52,719

technology

27

00:00:56,630 --> 00:00:55,360

she was selected as an astronaut in 1998

28

00:00:59,189 --> 00:00:56,640

and served as a flight engineer for

29

00:01:01,029 --> 00:00:59,199

expedition 14. during that long-duration

30

00:01:03,189 --> 00:01:01,039

mission sunny established a world record

31

00:01:05,109 --> 00:01:03,199

for females with four spacewalks and

32

00:01:07,429 --> 00:01:05,119

also broke the existing duration record

33

00:01:10,149 --> 00:01:07,439

previously held by shannon lucid setting

34

00:01:11,190 --> 00:01:10,159

a new record for females of 195 days in

35

00:01:12,950 --> 00:01:11,200

space

36

00:01:14,469 --> 00:01:12,960

sunny will also be the second female to

37

00:01:16,310 --> 00:01:14,479

serve as commander for the international

38

00:01:18,789 --> 00:01:16,320

space station

39

00:01:20,789 --> 00:01:18,799

to her left yuri malenchenko was born in

40

00:01:22,870 --> 00:01:20,799

ukraine and is a graduate of kharkov

41

00:01:25,910 --> 00:01:22,880

military aviation school and the

42

00:01:28,469 --> 00:01:25,920

javascript air force engineering academy

43

00:01:30,069 --> 00:01:28,479

in 1987 he was selected as a cosmonaut

44

00:01:33,190 --> 00:01:30,079

and completed his first long-duration

45

00:01:35,910 --> 00:01:33,200

mission on space station mir in 1994. he

46

00:01:37,030 --> 00:01:35,920

also flew on the sts-106 space shuttle

47

00:01:39,030 --> 00:01:37,040

mission to the international space

48

00:01:40,870 --> 00:01:39,040

station and returned to the station as a

49

00:01:43,510 --> 00:01:40,880

commander of expedition 7 and flight

50

00:01:46,310 --> 00:01:43,520

engineer for expedition 16.

51  
00:01:48,550 --> 00:01:46,320  
aki was born in tokyo japan he holds

52  
00:01:50,789 --> 00:01:48,560  
degrees from kyo university and the

53  
00:01:53,109 --> 00:01:50,799  
university of houston he was selected as

54  
00:01:54,870 --> 00:01:53,119  
a japanese astronaut candidate in 1999

55  
00:01:56,870 --> 00:01:54,880  
and flew as a mission specialist as part

56  
00:01:58,149 --> 00:01:56,880  
of sts-2024

57  
00:01:59,749 --> 00:01:58,159  
with that we'll now turn it over to

58  
00:02:01,830 --> 00:01:59,759  
sonny

59  
00:02:03,590 --> 00:02:01,840  
thanks nicole and thanks to everyone

60  
00:02:06,789 --> 00:02:03,600  
who's here for the press conference and

61  
00:02:09,270 --> 00:02:06,799  
everybody out there in tv land who's

62  
00:02:11,190 --> 00:02:09,280  
watching and listening to us here

63  
00:02:13,589 --> 00:02:11,200

we're really excited to be getting

64

00:02:16,229 --> 00:02:13,599

closer and closer to our launch in july

65

00:02:18,150 --> 00:02:16,239

it's going to be a great mission really

66

00:02:20,070 --> 00:02:18,160

exciting lots of things to do i mean

67

00:02:21,830 --> 00:02:20,080

it's it's pretty unbelievable when you

68

00:02:23,910 --> 00:02:21,840

think about all the things that are on

69

00:02:26,550 --> 00:02:23,920

the on the menu out there for that's

70

00:02:28,309 --> 00:02:26,560

waiting for us um i've got some great

71

00:02:30,309 --> 00:02:28,319

crew members here which nicole

72

00:02:33,430 --> 00:02:30,319

introduced yuri and aki we're sort of

73

00:02:35,190 --> 00:02:33,440

like a family and we got a couple other

74

00:02:37,190 --> 00:02:35,200

great crew members up on board that will

75

00:02:40,229 --> 00:02:37,200

be up on board that will be joining like

76

00:02:41,350 --> 00:02:40,239

nicole mentioned uh gennady and sergey

77

00:02:44,150 --> 00:02:41,360

and joe

78

00:02:46,470 --> 00:02:44,160

and then after after uh gennady sergey

79

00:02:47,350 --> 00:02:46,480

and joe leave we'll be joined by kevin

80

00:02:50,390 --> 00:02:47,360

ford

81

00:02:52,869 --> 00:02:50,400

oleg novitskiy and evgeny evgeny

82

00:02:55,110 --> 00:02:52,879

tarelkin so as you could probably see

83

00:02:57,910 --> 00:02:55,120

it's a pretty international

84

00:03:02,070 --> 00:02:57,920

cruise that we're working with here

85

00:03:04,070 --> 00:03:02,080

we backed up a european astronaut and

86

00:03:07,030 --> 00:03:04,080

we will be backed up by a canadian

87

00:03:09,509 --> 00:03:07,040

astronaut as well american and russian

88

00:03:12,229 --> 00:03:09,519

astronauts and cosmonauts so the the

89

00:03:14,229 --> 00:03:12,239

crew composition uh has been very

90

00:03:15,670 --> 00:03:14,239

international

91

00:03:17,110 --> 00:03:15,680

and we're really looking forward to

92

00:03:19,270 --> 00:03:17,120

things that we're going to be doing up

93

00:03:21,589 --> 00:03:19,280

there it's going to be loaded not only

94

00:03:23,990 --> 00:03:21,599

with international astronauts and

95

00:03:27,270 --> 00:03:24,000

cosmonauts but when we get there will be

96

00:03:29,910 --> 00:03:27,280

atv probably the european

97

00:03:32,470 --> 00:03:29,920

spacecraft shortly thereafter

98

00:03:33,670 --> 00:03:32,480

we arrive will be htv japanese

99

00:03:35,350 --> 00:03:33,680

spacecraft

100

00:03:37,589 --> 00:03:35,360

hopefully thereafter will be either

101  
00:03:39,670 --> 00:03:37,599  
spacex or orbital another american

102  
00:03:41,509 --> 00:03:39,680  
spacecraft we'll do

103  
00:03:44,390 --> 00:03:41,519  
probably be doing a russian eva

104  
00:03:47,270 --> 00:03:44,400  
hopefully doing a u.s eva so it is a

105  
00:03:49,030 --> 00:03:47,280  
really international time when we'll be

106  
00:03:50,710 --> 00:03:49,040  
up there and be pretty exciting

107  
00:03:52,550 --> 00:03:50,720  
unfortunately our mission is only four

108  
00:03:54,309 --> 00:03:52,560  
months i wish it would be years and

109  
00:03:56,550 --> 00:03:54,319  
years and years but i think we're going

110  
00:03:57,750 --> 00:03:56,560  
to jam a lot of stuff into that four

111  
00:03:59,750 --> 00:03:57,760  
months and i think it's going to be

112  
00:04:01,750 --> 00:03:59,760  
really exciting again i'm really lucky

113  
00:04:04,309 --> 00:04:01,760

to be flying with yuri anaki they're

114

00:04:05,429 --> 00:04:04,319

great professional astronauts cosmonauts

115

00:04:08,229 --> 00:04:05,439

and i think we're going to have a great

116

00:04:09,670 --> 00:04:08,239

time and i hope you all will be watching

117

00:04:11,350 --> 00:04:09,680

all right thank you sonny we'll start

118

00:04:12,869 --> 00:04:11,360

with questions here at the johnson space

119

00:04:14,470 --> 00:04:12,879

center and if you can just step up to

120

00:04:17,349 --> 00:04:14,480

the microphone if you have questions and

121

00:04:19,670 --> 00:04:17,359

state your name and affiliation and

122

00:04:25,909 --> 00:04:19,680

who your question is directed to if you

123

00:04:30,390 --> 00:04:28,710

hi robert perlman with collectspace.com

124

00:04:32,390 --> 00:04:30,400

um

125

00:04:34,790 --> 00:04:32,400

i guess for sunny uh can you talk a

126

00:04:38,550 --> 00:04:34,800

little bit about how the launch delays

127

00:04:41,110 --> 00:04:38,560

um have impacted your your expedition um

128

00:04:43,110 --> 00:04:41,120

has have you had to replan and

129

00:04:45,749 --> 00:04:43,120

are there activities that had to fall

130

00:04:47,749 --> 00:04:45,759

off because of the uh compact

131

00:04:48,710 --> 00:04:47,759

impact of the schedule

132

00:04:51,110 --> 00:04:48,720

well

133

00:04:53,909 --> 00:04:51,120

luckily our job is to fly in space so

134

00:04:55,510 --> 00:04:53,919

this crew and uh gennady's crew were

135

00:04:58,230 --> 00:04:55,520

we're both ready to fly whenever there's

136

00:04:59,670 --> 00:04:58,240

a vehicle ready for us to jump into i

137

00:05:01,909 --> 00:04:59,680

think at this point in time actually

138

00:05:03,430 --> 00:05:01,919

we're finishing up our us training here

139

00:05:06,150 --> 00:05:03,440

and then we have a little bit of a delay

140

00:05:08,070 --> 00:05:06,160

before our final sims for our

141

00:05:10,550 --> 00:05:08,080

soyuz and russian

142

00:05:11,590 --> 00:05:10,560

parts of the station uh training in

143

00:05:13,590 --> 00:05:11,600

russia

144

00:05:15,510 --> 00:05:13,600

so for us you know

145

00:05:17,670 --> 00:05:15,520

we're just ready to go

146

00:05:20,310 --> 00:05:17,680

for the flight program the planners had

147

00:05:22,629 --> 00:05:20,320

to change a little bit i'm sure some of

148

00:05:24,550 --> 00:05:22,639

the things that they had thought that

149

00:05:26,150 --> 00:05:24,560

was was going to happen when we first

150

00:05:27,029 --> 00:05:26,160

got there but the crews on orbit right

151  
00:05:30,870 --> 00:05:27,039  
now

152  
00:05:32,950 --> 00:05:30,880  
expedition 31 30 and 31 are taking care

153  
00:05:34,070 --> 00:05:32,960  
of business uh they're up there for a

154  
00:05:36,469 --> 00:05:34,080  
little bit longer than they had

155  
00:05:37,990 --> 00:05:36,479  
initially planned but they're filling in

156  
00:05:41,270 --> 00:05:38,000  
all the holes and and making sure the

157  
00:05:42,230 --> 00:05:41,280  
station is ready for us when we arrive

158  
00:05:43,749 --> 00:05:42,240  
and uh

159  
00:05:45,909 --> 00:05:43,759  
given the number of vehicles that are

160  
00:05:48,710 --> 00:05:45,919  
coming and going uh while you're up

161  
00:05:51,110 --> 00:05:48,720  
there um can you kind of

162  
00:05:52,550 --> 00:05:51,120  
sort of rank what your activities what

163  
00:05:54,469 --> 00:05:52,560

will be your most prominent activities

164

00:05:57,270 --> 00:05:54,479

is it logistics support or station ops

165

00:05:58,309 --> 00:05:57,280

or science and and how do they all play

166

00:05:59,189 --> 00:05:58,319

out things

167

00:06:00,150 --> 00:05:59,199

um

168

00:06:02,790 --> 00:06:00,160

just a

169

00:06:04,629 --> 00:06:02,800

quick uh recap you know this is a lot

170

00:06:06,070 --> 00:06:04,639

different from my last expedition

171

00:06:07,270 --> 00:06:06,080

expedition 14 when we're in the middle

172

00:06:09,110 --> 00:06:07,280

of assembly

173

00:06:10,390 --> 00:06:09,120

but it's changed into logistics and

174

00:06:12,309 --> 00:06:10,400

research we're

175

00:06:13,670 --> 00:06:12,319

we're

176

00:06:15,270 --> 00:06:13,680

changed the whole way the station is

177

00:06:16,870 --> 00:06:15,280

operating hopefully we'll be doing quite

178

00:06:18,629 --> 00:06:16,880

a bit of research on board but part of

179

00:06:20,710 --> 00:06:18,639

the research is actually getting new

180

00:06:22,790 --> 00:06:20,720

spacecraft to the space station

181

00:06:24,469 --> 00:06:22,800

and and seeing how those new systems are

182

00:06:25,990 --> 00:06:24,479

working so yeah it's going to be filled

183

00:06:27,990 --> 00:06:26,000

with logistics from the beginning

184

00:06:30,710 --> 00:06:28,000

because we're going to have again atv

185

00:06:32,390 --> 00:06:30,720

there already htv arriving and hopefully

186

00:06:34,309 --> 00:06:32,400

a commercial vehicle but that's all

187

00:06:35,990 --> 00:06:34,319

that's all research in its own light all

188

00:06:38,230 --> 00:06:36,000

of those have new systems and i forgot

189

00:06:39,590 --> 00:06:38,240

to mention um progresses couple

190

00:06:41,670 --> 00:06:39,600

progresses which will be coming and

191

00:06:44,150 --> 00:06:41,680

going and also testing out some new

192

00:06:46,550 --> 00:06:44,160

systems on the on the progress vehicles

193

00:06:48,629 --> 00:06:46,560

so all of that is is research in itself

194

00:06:51,350 --> 00:06:48,639

as well as the onboard

195

00:06:53,270 --> 00:06:51,360

biology education material science

196

00:06:55,110 --> 00:06:53,280

research so i think there's going to

197

00:06:57,589 --> 00:06:55,120

it's going to be front loaded with a lot

198

00:06:59,510 --> 00:06:57,599

of vehicle traffic i hope that will make

199

00:07:01,350 --> 00:06:59,520

it pretty exciting and then we'll be

200

00:07:02,550 --> 00:07:01,360

back filled with a lot of science

201  
00:07:06,150 --> 00:07:02,560  
experiments that are up there that are

202  
00:07:09,990 --> 00:07:08,790  
hi jim oberg for nbc news sonny you

203  
00:07:11,350 --> 00:07:10,000  
mentioned you wanted to stay years and

204  
00:07:12,710 --> 00:07:11,360  
years and years in space and it's a

205  
00:07:14,309 --> 00:07:12,720  
great idea because people are going to

206  
00:07:15,749 --> 00:07:14,319  
have to do that

207  
00:07:17,270 --> 00:07:15,759  
soon

208  
00:07:18,309 --> 00:07:17,280  
we had a question this morning from the

209  
00:07:19,589 --> 00:07:18,319  
program

210  
00:07:21,749 --> 00:07:19,599  
management that

211  
00:07:23,990 --> 00:07:21,759  
iss is looking in the next two or three

212  
00:07:25,909 --> 00:07:24,000  
years to having much longer flight

213  
00:07:27,990 --> 00:07:25,919

durations at least several people

214

00:07:29,909 --> 00:07:28,000

staying longer than six months

215

00:07:31,670 --> 00:07:29,919

uh you're getting ready for your second

216

00:07:33,430 --> 00:07:31,680

six month flight and yuri of course is

217

00:07:34,870 --> 00:07:33,440

getting ready for his fourth long

218

00:07:36,870 --> 00:07:34,880

expedition

219

00:07:37,749 --> 00:07:36,880

can you both comment on what it would

220

00:07:40,150 --> 00:07:37,759

take

221

00:07:43,029 --> 00:07:40,160

to clear the way for

222

00:07:46,309 --> 00:07:43,039

you or some other astronaut or cosmonaut

223

00:07:48,469 --> 00:07:46,319

to fly one or even two years duration

224

00:07:51,749 --> 00:07:48,479

missions on the iss how do we get to

225

00:07:53,670 --> 00:07:51,759

there from where we are now thank you

226

00:07:55,909 --> 00:07:53,680

well i think you know that a lot of the

227

00:07:57,670 --> 00:07:55,919

research that we're doing on board is

228

00:07:59,990 --> 00:07:57,680

what happens to the human body there's a

229

00:08:02,230 --> 00:08:00,000

lot of unknowns out there bone density

230

00:08:04,150 --> 00:08:02,240

radiation and i think we've got we've

231

00:08:06,869 --> 00:08:04,160

we've got a foot in the door with a

232

00:08:08,309 --> 00:08:06,879

number of expeditions under our belt

233

00:08:09,749 --> 00:08:08,319

about understanding some of that

234

00:08:12,150 --> 00:08:09,759

research but there's still a lot more

235

00:08:13,670 --> 00:08:12,160

research that has to go on to understand

236

00:08:15,670 --> 00:08:13,680

exactly what's happening to the human

237

00:08:17,990 --> 00:08:15,680

body and how can we optimize

238

00:08:21,670 --> 00:08:18,000

either physical fitness

239

00:08:23,589 --> 00:08:21,680

shielding for the radiation or nutrition

240

00:08:25,990 --> 00:08:23,599

to have people stay in orbit for a long

241

00:08:28,150 --> 00:08:26,000

time of course there has been a russian

242

00:08:29,670 --> 00:08:28,160

cosmonaut that's been up in space for

243

00:08:32,790 --> 00:08:29,680

uh

244

00:08:35,269 --> 00:08:32,800

for over a year so um that there is

245

00:08:36,870 --> 00:08:35,279

success in that field but i think for us

246

00:08:39,829 --> 00:08:36,880

to know that we're launching people and

247

00:08:41,670 --> 00:08:39,839

bringing people back to earth totally

248

00:08:43,269 --> 00:08:41,680

okay i think we still have a little bit

249

00:08:44,630 --> 00:08:43,279

more research to do in that field and i

250

00:08:52,630 --> 00:08:44,640

think what we're doing up there is

251  
00:08:58,230 --> 00:08:55,350  
i hope so we already have a lot of

252  
00:08:59,750 --> 00:08:58,240  
experience about this and we

253  
00:09:02,790 --> 00:08:59,760  
we keep

254  
00:09:04,070 --> 00:09:02,800  
doing this and a lot of research going

255  
00:09:06,470 --> 00:09:04,080  
on and

256  
00:09:07,269 --> 00:09:06,480  
hopefully in future it will really help

257  
00:09:09,670 --> 00:09:07,279  
for

258  
00:09:12,310 --> 00:09:09,680  
other people

259  
00:09:18,790 --> 00:09:16,150  
flying space easier and more

260  
00:09:23,350 --> 00:09:18,800  
people will be involved so

261  
00:09:29,990 --> 00:09:24,870  
okay any other questions here from the

262  
00:09:34,790 --> 00:09:32,230  
my name is ken skelbara from nhk

263  
00:09:38,150 --> 00:09:34,800

japanese broadcasting corporation

264

00:09:39,910 --> 00:09:38,160

i asked a question to aki if i should

265

00:09:42,389 --> 00:09:39,920

forgive me calling you in your first

266

00:09:43,509 --> 00:09:42,399

name your nickname but

267

00:09:46,310 --> 00:09:43,519

um

268

00:09:48,790 --> 00:09:46,320

today earlier there was the iss briefing

269

00:09:50,870 --> 00:09:48,800

and mr safridini told us that your

270

00:09:53,590 --> 00:09:50,880

launch your team's launch

271

00:09:55,670 --> 00:09:53,600

is upcoming on july 15th

272

00:09:58,150 --> 00:09:55,680

how you're feeling right now i mean the

273

00:09:59,829 --> 00:09:58,160

launch is sneering there was a delay but

274

00:10:02,389 --> 00:09:59,839

it's nearing what's your feelings right

275

00:10:03,750 --> 00:10:02,399

now and we also learned that you might

276

00:10:04,870 --> 00:10:03,760

be doing

277

00:10:06,790 --> 00:10:04,880

eva

278

00:10:08,230 --> 00:10:06,800

what's your feelings about that if you

279

00:10:11,430 --> 00:10:08,240

could answer it in english and also in

280

00:10:12,710 --> 00:10:11,440

japanese if possible okay well let's

281

00:10:14,150 --> 00:10:12,720

first try in

282

00:10:15,350 --> 00:10:14,160

english

283

00:10:17,269 --> 00:10:15,360

hopefully

284

00:10:19,829 --> 00:10:17,279

you know i'm better in english than

285

00:10:22,550 --> 00:10:19,839

japanese at this point um

286

00:10:24,710 --> 00:10:22,560

first of all yeah um we were in baikonur

287

00:10:27,910 --> 00:10:24,720

in december as a backup crew so that

288

00:10:29,509 --> 00:10:27,920

means we were ready to uh launch if

289

00:10:33,030 --> 00:10:29,519

necessary if something happened to the

290

00:10:35,030 --> 00:10:33,040

uh the prime crew so i'm confident uh

291

00:10:37,829 --> 00:10:35,040

that we're at that level right now what

292

00:10:39,910 --> 00:10:37,839

we're doing is uh just proficiency uh

293

00:10:42,150 --> 00:10:39,920

training just making sure that we

294

00:10:46,389 --> 00:10:42,160

remember everything that we were taught

295

00:10:48,630 --> 00:10:46,399

and also a lot of science and payload

296

00:10:51,269 --> 00:10:48,640

operation kind of training

297

00:10:53,190 --> 00:10:51,279

but i feel confident with these two uh

298

00:10:54,470 --> 00:10:53,200

very experienced crew members

299

00:10:57,030 --> 00:10:54,480

and we

300

00:10:59,350 --> 00:10:57,040

trained together for more than a year

301  
00:11:02,389 --> 00:10:59,360  
more than two years now so i'm looking

302  
00:11:04,710 --> 00:11:02,399  
forward to going back home

303  
00:11:05,509 --> 00:11:04,720  
the home especially the japanese portion

304  
00:11:07,190 --> 00:11:05,519  
that

305  
00:11:08,470 --> 00:11:07,200  
i helped build

306  
00:11:12,150 --> 00:11:08,480  
and looking forward to all the

307  
00:11:15,910 --> 00:11:12,160  
experiment that we'll be doing and

308  
00:11:18,870 --> 00:11:15,920  
with respect to eba yes um uh

309  
00:11:21,670 --> 00:11:18,880  
we know that it is uh on the plan

310  
00:11:24,470 --> 00:11:21,680  
uh and we'll be you know lucky if we can

311  
00:11:25,990 --> 00:11:24,480  
uh get it um but we've been training

312  
00:11:29,509 --> 00:11:26,000  
along with sunny

313  
00:11:30,389 --> 00:11:29,519

and uh the whole team in jsc

314

00:11:33,030 --> 00:11:30,399

so

315

00:11:34,870 --> 00:11:33,040

we've been training for that um if

316

00:11:36,550 --> 00:11:34,880

we need to go out the door

317

00:11:39,509 --> 00:11:36,560

and i'm looking forward to that

318

00:13:50,310 --> 00:11:39,519

experience experience as well

319

00:13:53,750 --> 00:13:51,829

thank you so much

320

00:13:58,470 --> 00:13:53,760

okay any additional questions here go

321

00:13:58,480 --> 00:14:05,350

hi my name is chimi uh from nico nicole

322

00:14:10,710 --> 00:14:07,750

well i would like to ask you all of you

323

00:14:13,430 --> 00:14:10,720

actually um about dragon nine

324

00:14:15,750 --> 00:14:13,440

uh the dragon nine will be launching a

325

00:14:18,949 --> 00:14:15,760

few months and there is a possibility

326

00:14:21,750 --> 00:14:18,959

that you will be able to

327

00:14:24,470 --> 00:14:21,760

take part in the dark and docking

328

00:14:27,030 --> 00:14:24,480

uh of the craft so

329

00:14:29,350 --> 00:14:27,040

now you're excited to be able to

330

00:14:31,269 --> 00:14:29,360

witness the commercial spacecraft in

331

00:14:34,069 --> 00:14:31,279

action and also

332

00:14:39,350 --> 00:14:34,079

how do you feel about next

333

00:14:44,389 --> 00:14:41,430

just to summarize just your your

334

00:14:46,150 --> 00:14:44,399

question is about the spacex

335

00:14:47,350 --> 00:14:46,160

vehicle that's come that's potentially

336

00:14:48,550 --> 00:14:47,360

coming up

337

00:14:52,069 --> 00:14:48,560

at the end of

338

00:14:56,470 --> 00:14:54,069

and then on our flight schedule right

339

00:14:57,590 --> 00:14:56,480

now that looks like a second one in in

340

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

august

341

00:15:02,710 --> 00:15:00,399

so we're really excited we aki and i

342

00:15:04,389 --> 00:15:02,720

actually went to california for some

343

00:15:06,949 --> 00:15:04,399

training for spacex

344

00:15:09,509 --> 00:15:06,959

probably about a year ago and

345

00:15:12,389 --> 00:15:09,519

had the opportunity to look around at

346

00:15:14,069 --> 00:15:12,399

the company and at the at

347

00:15:15,910 --> 00:15:14,079

what they were doing on the floor right

348

00:15:17,670 --> 00:15:15,920

there building the spacecraft and you

349

00:15:19,350 --> 00:15:17,680

know anytime you look at real hardware

350

00:15:21,509 --> 00:15:19,360

it's really exciting when you see shiny

351  
00:15:23,509 --> 00:15:21,519  
metal coming down the the path going to

352  
00:15:25,189 --> 00:15:23,519  
be launched into space so that was

353  
00:15:28,389 --> 00:15:25,199  
pretty awesome and to see you know a

354  
00:15:30,470 --> 00:15:28,399  
bunch of really excited engineers and

355  
00:15:33,189 --> 00:15:30,480  
scientists and working on this

356  
00:15:34,550 --> 00:15:33,199  
spacecraft was was great

357  
00:15:36,389 --> 00:15:34,560  
our fingers are crossed i'm hoping

358  
00:15:39,110 --> 00:15:36,399  
everything happens for them and they are

359  
00:15:40,550 --> 00:15:39,120  
have a very successful launch we'll be

360  
00:15:41,749 --> 00:15:40,560  
waiting for them the first you know the

361  
00:15:43,350 --> 00:15:41,759  
crews that are up there right now will

362  
00:15:45,590 --> 00:15:43,360  
be waiting for the first spacex and then

363  
00:15:48,310 --> 00:15:45,600

we'll we'll see how the what lessons

364

00:15:50,870 --> 00:15:48,320

they learned and for the second spacex

365

00:15:52,870 --> 00:15:50,880

i hope we get to participate with a new

366

00:15:54,710 --> 00:15:52,880

vehicle coming up to the space station

367

00:15:56,710 --> 00:15:54,720

like i said every single one that i

368

00:15:59,189 --> 00:15:56,720

talked about is a little bit different

369

00:16:01,030 --> 00:15:59,199

they have little bit different systems

370

00:16:03,189 --> 00:16:01,040

so watching their performance and seeing

371

00:16:05,590 --> 00:16:03,199

how they successfully get to the space

372

00:16:07,430 --> 00:16:05,600

station will be exciting

373

00:16:10,389 --> 00:16:07,440

so we're really looking forward to

374

00:16:12,550 --> 00:16:10,399

hopefully having them come join us and

375

00:16:14,949 --> 00:16:12,560

and like what we'll do for that is you

376

00:16:16,790 --> 00:16:14,959

know take the robotic arm and grab it

377

00:16:18,550 --> 00:16:16,800

outside of the space station and dock it

378

00:16:20,470 --> 00:16:18,560

so that will be another exciting

379

00:16:22,550 --> 00:16:20,480

challenge every time we

380

00:16:23,910 --> 00:16:22,560

connect with a vehicle that's uh with

381

00:16:26,310 --> 00:16:23,920

the robotic arm it's a little bit

382

00:16:28,470 --> 00:16:26,320

different arm configuration and so it's

383

00:16:30,710 --> 00:16:28,480

provides new challenges for us on board

384

00:16:33,430 --> 00:16:30,720

the space station and our robotic skills

385

00:16:34,949 --> 00:16:33,440

so that will be very exciting and uh

386

00:16:36,470 --> 00:16:34,959

like i said my fingers are across our

387

00:16:39,590 --> 00:16:36,480

fingers are crossed for this

388

00:16:44,389 --> 00:16:39,600

for spacex to launch and be successfully

389

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

well i'm

390

00:16:52,389 --> 00:16:49,440

more responsible for other vehicles but

391

00:16:55,189 --> 00:16:52,399

really looking forward to see this

392

00:16:57,509 --> 00:16:55,199

new vehicle on station

393

00:17:00,389 --> 00:16:57,519

it will it always exciting to see

394

00:17:01,189 --> 00:17:00,399

something new in space and also it is a

395

00:17:03,269 --> 00:17:01,199

big

396

00:17:05,669 --> 00:17:03,279

developing of

397

00:17:07,350 --> 00:17:05,679

space program in general so i'm really

398

00:17:08,630 --> 00:17:07,360

happy and as i said they're looking

399

00:17:12,630 --> 00:17:08,640

forward to see

400

00:17:17,429 --> 00:17:15,590

so just to add on to what sonia and yuri

401  
00:17:20,549 --> 00:17:17,439  
mentioned you know right now we have

402  
00:17:23,909 --> 00:17:20,559  
progress atv and htv supplying uh

403  
00:17:27,829 --> 00:17:23,919  
logistics and and uh science samples

404  
00:17:29,350 --> 00:17:27,839  
and our you know most important our food

405  
00:17:31,510 --> 00:17:29,360  
but uh

406  
00:17:35,590 --> 00:17:31,520  
in addition to that if we can get you

407  
00:17:37,669 --> 00:17:35,600  
know dragon and cygnus uh up and running

408  
00:17:40,870 --> 00:17:37,679  
that provides more capability for us and

409  
00:17:42,950 --> 00:17:40,880  
look for the whole space program and uh

410  
00:17:45,510 --> 00:17:42,960  
getting the uh the commercial you know

411  
00:17:47,350 --> 00:17:45,520  
private sector involved i think it's a

412  
00:17:49,990 --> 00:17:47,360  
very good thing

413  
00:17:52,710 --> 00:17:50,000

it opens up new doors

414

00:17:55,909 --> 00:17:52,720

um for not just the space community

415

00:17:58,630 --> 00:17:55,919

right now but uh for you know

416

00:18:03,110 --> 00:17:58,640

a bigger possibility as a whole so i'm

417

00:18:03,120 --> 00:18:53,350

okay any additional quote yes

418

00:18:53,360 --> 00:18:56,710

yes

419

00:19:02,230 --> 00:18:59,669

he is from tv asahi his name is tori

420

00:19:05,029 --> 00:19:02,240

um he is asking um here and ask about

421

00:19:13,830 --> 00:19:05,039

the experiment japanese experiment

422

00:19:19,990 --> 00:19:17,510

the experiment of module kibo and we

423

00:19:22,470 --> 00:19:20,000

learned it's very comfortable space

424

00:19:24,390 --> 00:19:22,480

there but we'd like to know how much you

425

00:19:25,669 --> 00:19:24,400

know about people and also what you

426

00:19:27,590 --> 00:19:25,679

expect

427

00:19:29,590 --> 00:19:27,600

about people um are you going to visit

428

00:19:32,710 --> 00:19:29,600

there and what are you going to do and

429

00:19:34,789 --> 00:19:32,720

also um aki we direct ask what you would

430

00:19:36,710 --> 00:19:34,799

like to do

431

00:19:40,150 --> 00:19:36,720

as a mission in

432

00:19:42,710 --> 00:19:40,160

iss uh last time you through the

433

00:19:47,590 --> 00:19:42,720

rugby ball but we'd like to hear what

434

00:19:51,669 --> 00:19:49,909

for the first question about kibo i'm i

435

00:19:53,669 --> 00:19:51,679

can't wait to go into kibo when i was

436

00:19:55,510 --> 00:19:53,679

there again last time was a number of

437

00:19:58,470 --> 00:19:55,520

years ago and the space station stopped

438

00:20:01,190 --> 00:19:58,480

at the at the front of the lab so now

439

00:20:03,830 --> 00:20:01,200

it's uh has a lot more modules node two

440

00:20:06,710 --> 00:20:03,840

of course uh kibo and the columbus and

441

00:20:09,590 --> 00:20:06,720

so i i can't wait i saw pictures of when

442

00:20:13,510 --> 00:20:09,600

aki installed kibo and of course inside

443

00:20:14,630 --> 00:20:13,520

and outside and it looked awesome

444

00:20:17,750 --> 00:20:14,640

we had the opera i've had the

445

00:20:20,390 --> 00:20:17,760

opportunity to go to japan and train

446

00:20:23,270 --> 00:20:20,400

to be an operator on the kibo

447

00:20:25,430 --> 00:20:23,280

systems and so i'm going to actually do

448

00:20:27,430 --> 00:20:25,440

a couple of japanese experiments i have

449

00:20:29,270 --> 00:20:27,440

one on me actually right now as a matter

450

00:20:31,110 --> 00:20:29,280

of fact and

451  
00:20:33,430 --> 00:20:31,120  
some other experiments inside the kibo

452  
00:20:35,029 --> 00:20:33,440  
module so i'm really looking forward

453  
00:20:37,430 --> 00:20:35,039  
to spending some time in there i heard

454  
00:20:38,230 --> 00:20:37,440  
it's nice and peaceful as well

455  
00:20:39,430 --> 00:20:38,240  
and

456  
00:20:41,990 --> 00:20:39,440  
it also has

457  
00:20:44,230 --> 00:20:42,000  
an airlock which i think we're planning

458  
00:20:46,630 --> 00:20:44,240  
to be using for the first time while

459  
00:20:49,029 --> 00:20:46,640  
we're up there it also has some great

460  
00:20:51,590 --> 00:20:49,039  
windows that i'd be really fun to look

461  
00:20:55,029 --> 00:20:51,600  
out those windows and see the japanese

462  
00:20:57,909 --> 00:20:55,039  
robotic arm in action when htv3 is there

463  
00:21:00,549 --> 00:20:57,919

and also when we use the the japanese

464

00:21:02,870 --> 00:21:00,559

airlock so i'm really looking forward to

465

00:21:11,029 --> 00:21:02,880

spending some quality time in the kibo

466

00:21:15,110 --> 00:21:13,510

i can say same words i'm really looking

467

00:21:18,230 --> 00:21:15,120

forward to see

468

00:21:20,630 --> 00:21:18,240

this module module

469

00:21:22,870 --> 00:21:20,640

i was in japan and have

470

00:21:28,310 --> 00:21:22,880

very good training

471

00:21:31,510 --> 00:21:29,750

i'm sure

472

00:21:34,630 --> 00:21:31,520

it

473

00:21:35,990 --> 00:21:34,640

will be a

474

00:21:39,590 --> 00:21:36,000

very useful

475

00:21:41,110 --> 00:21:39,600

place to work with science and a very

476  
00:21:44,070 --> 00:21:41,120  
important

477  
00:21:46,390 --> 00:21:44,080  
model and

478  
00:21:48,230 --> 00:21:46,400  
i expect to

479  
00:21:51,029 --> 00:21:48,240  
have a

480  
00:21:52,710 --> 00:21:51,039  
good possibility to work over there

481  
00:21:53,669 --> 00:21:52,720  
i don't have something particular to

482  
00:21:55,669 --> 00:21:53,679  
work

483  
00:21:58,549 --> 00:21:55,679  
with this model but

484  
00:21:59,669 --> 00:21:58,559  
since i have basic training i in case if

485  
00:22:04,230 --> 00:21:59,679  
i

486  
00:22:04,240 --> 00:22:08,149  
thank you

487  
00:22:11,590 --> 00:22:10,390  
and i also look forward to going back to

488  
00:22:13,590 --> 00:22:11,600

kibo

489

00:22:16,070 --> 00:22:13,600

as i mentioned

490

00:22:19,590 --> 00:22:16,080

in terms of what i'd like to do up in

491

00:22:22,630 --> 00:22:19,600

space when i'm back there

492

00:22:26,149 --> 00:22:22,640

first of all something unique about

493

00:22:27,190 --> 00:22:26,159

our increment is that we have a very uh

494

00:22:29,270 --> 00:22:27,200

huge

495

00:22:30,870 --> 00:22:29,280

uh sports event

496

00:22:33,270 --> 00:22:30,880

during our increment

497

00:22:35,430 --> 00:22:33,280

so what we're talking amongst ourselves

498

00:22:38,149 --> 00:22:35,440

is why don't we do something you know

499

00:22:39,990 --> 00:22:38,159

some kind of a sport event on orbit too

500

00:22:42,630 --> 00:22:40,000

inside the space station we have a you

501  
00:22:45,430 --> 00:22:42,640  
know a us a russian and a japanese so we

502  
00:22:47,510 --> 00:22:45,440  
can compete each other

503  
00:22:49,830 --> 00:22:47,520  
so but we're just tossing ideas right

504  
00:22:51,510 --> 00:22:49,840  
now uh what kind of uh sport event we

505  
00:22:56,470 --> 00:22:51,520  
can do up there but that's something

506  
00:22:56,480 --> 00:23:00,870  
okay one last call

507  
00:23:03,669 --> 00:23:02,230  
all right i think at this point we will

508  
00:23:05,270 --> 00:23:03,679  
transition over to the phone bridge

509  
00:23:06,710 --> 00:23:05,280  
where we have a couple of reporters with

510  
00:23:09,830 --> 00:23:06,720  
some questions we'll start with clara

511  
00:23:12,310 --> 00:23:09,840  
moskowitz with space.com

512  
00:23:14,549 --> 00:23:12,320  
hi yeah sunny mentioned that it was an

513  
00:23:17,029 --> 00:23:14,559

especially international crew this time

514

00:23:19,110 --> 00:23:17,039

and i'm just wondering um for each of

515

00:23:21,270 --> 00:23:19,120

you what you're planning to do

516

00:23:26,470 --> 00:23:21,280

to share elements of your culture with

517

00:23:30,549 --> 00:23:28,870

wow there's a good question

518

00:23:32,310 --> 00:23:30,559

i i might do the same thing that i did

519

00:23:34,149 --> 00:23:32,320

last time which was

520

00:23:37,270 --> 00:23:34,159

introduce everybody to peanut butter and

521

00:23:39,830 --> 00:23:37,280

fluff which was which was a an all-time

522

00:23:42,149 --> 00:23:39,840

american favorite sandwich of mine

523

00:23:45,190 --> 00:23:42,159

i've also tortured them already with a

524

00:23:48,070 --> 00:23:45,200

little bit of my dog and how much you

525

00:23:49,750 --> 00:23:48,080

know having a pet at home means to me

526

00:23:51,750 --> 00:23:49,760

and also you know i'm sure

527

00:23:54,950 --> 00:23:51,760

i will torture them also with pictures

528

00:23:57,190 --> 00:23:54,960

of cape cod where my family is and every

529

00:23:58,870 --> 00:23:57,200

time it's easy to pick out on uh

530

00:24:00,710 --> 00:23:58,880

of course from space just because of the

531

00:24:02,470 --> 00:24:00,720

shape of it but um

532

00:24:04,789 --> 00:24:02,480

as well as different parts of the united

533

00:24:06,390 --> 00:24:04,799

states i'm sure i'll be sharing some of

534

00:24:07,830 --> 00:24:06,400

those little aspects with these guys

535

00:24:09,590 --> 00:24:07,840

while we're up there

536

00:24:11,510 --> 00:24:09,600

culture of course we do that as we sit

537

00:24:13,269 --> 00:24:11,520

around the dinner table i think it just

538

00:24:15,190 --> 00:24:13,279

comes out you start talking about

539

00:24:17,029 --> 00:24:15,200

missing home a little bit and talking

540

00:24:21,750 --> 00:24:17,039

about your family and your friends and

541

00:24:21,760 --> 00:24:27,269

well the truth it is very important

542

00:24:30,630 --> 00:24:29,269

i have not decided what to do something

543

00:24:33,669 --> 00:24:30,640

particular but

544

00:24:35,029 --> 00:24:33,679

since we have a russian segment and a

545

00:24:39,510 --> 00:24:35,039

lot of

546

00:24:42,710 --> 00:24:39,520

we can spend

547

00:24:44,830 --> 00:24:42,720

some time together during free time and

548

00:24:47,590 --> 00:24:44,840

to create something

549

00:24:48,549 --> 00:24:47,600

but in reality every day

550

00:24:54,070 --> 00:24:48,559

when we

551  
00:24:59,510 --> 00:24:57,350  
that's why this time we also

552  
00:25:01,110 --> 00:24:59,520  
sharing our some

553  
00:25:02,630 --> 00:25:01,120  
specific

554  
00:25:04,070 --> 00:25:02,640  
culture things

555  
00:25:05,909 --> 00:25:04,080  
so and

556  
00:25:08,070 --> 00:25:05,919  
since we have

557  
00:25:12,149 --> 00:25:08,080  
more time in future

558  
00:25:13,110 --> 00:25:12,159  
on space station specialists i think we

559  
00:25:17,510 --> 00:25:13,120  
can

560  
00:25:24,070 --> 00:25:21,350  
and uh yeah um i couldn't agree more uh

561  
00:25:26,390 --> 00:25:24,080  
with what sonia and yuri just mentioned

562  
00:25:28,950 --> 00:25:26,400  
i think food is one thing

563  
00:25:30,549 --> 00:25:28,960

that i can share i can't cook i'm not a

564

00:25:31,909 --> 00:25:30,559

very good cook and sonny knows that very

565

00:25:34,310 --> 00:25:31,919

well but uh

566

00:25:36,390 --> 00:25:34,320

fortunately we have a couple of japanese

567

00:25:37,190 --> 00:25:36,400

food that i'm bringing up

568

00:25:38,789 --> 00:25:37,200

so

569

00:25:42,230 --> 00:25:38,799

i like to share that with my fellow

570

00:25:44,310 --> 00:25:42,240

crewmates uh during my stay but uh just

571

00:25:46,390 --> 00:25:44,320

like yuri mentioned i think working

572

00:25:48,789 --> 00:25:46,400

together on on orbit and just you know

573

00:25:51,029 --> 00:25:48,799

sharing stories talking to each other

574

00:25:52,470 --> 00:25:51,039

provides a great

575

00:25:55,430 --> 00:25:52,480

base

576  
00:25:57,830 --> 00:25:55,440  
of international cooperation and also

577  
00:25:59,750 --> 00:25:57,840  
not just the crew but we'll be

578  
00:26:01,750 --> 00:25:59,760  
interacting with all the

579  
00:26:02,789 --> 00:26:01,760  
mission control centers all over the

580  
00:26:04,789 --> 00:26:02,799  
world

581  
00:26:07,830 --> 00:26:04,799  
moscow houston

582  
00:26:10,549 --> 00:26:07,840  
munich and scuba so

583  
00:26:12,390 --> 00:26:10,559  
just communicating with them and

584  
00:26:19,190 --> 00:26:12,400  
working together provides a great

585  
00:26:21,590 --> 00:26:20,630  
all right clara did you have another

586  
00:26:23,190 --> 00:26:21,600  
question

587  
00:26:24,789 --> 00:26:23,200  
no i'm all set thanks very much all

588  
00:26:27,430 --> 00:26:24,799

right with that we will move on to todd

589

00:26:30,390 --> 00:26:27,440

halverson with florida today

590

00:26:32,630 --> 00:26:30,400

um thanks very much this is for uh sonny

591

00:26:35,029 --> 00:26:32,640

williams i'm i'm wondering what your

592

00:26:37,190 --> 00:26:35,039

thoughts are about being the

593

00:26:39,990 --> 00:26:37,200

only the second one woman commander on

594

00:26:42,789 --> 00:26:40,000

the international space station and in

595

00:26:46,470 --> 00:26:42,799

your judgment what would the uh best

596

00:26:49,830 --> 00:26:46,480

compliment or makeup be for a crew on a

597

00:26:55,029 --> 00:26:52,549

sounds like a tricky question

598

00:26:57,190 --> 00:26:55,039

but seriously i um i didn't even think

599

00:26:59,510 --> 00:26:57,200

about that i didn't even realize that i

600

00:27:00,789 --> 00:26:59,520

i mean of course i knew peggy whitson

601  
00:27:02,710 --> 00:27:00,799  
was the commander of the space station

602  
00:27:04,470 --> 00:27:02,720  
before but i never really put two and

603  
00:27:06,549 --> 00:27:04,480  
two together that i would be number two

604  
00:27:09,110 --> 00:27:06,559  
it sort of never crossed my mind

605  
00:27:12,070 --> 00:27:09,120  
i think it just sort of happens with

606  
00:27:14,549 --> 00:27:12,080  
people who have experience you you

607  
00:27:16,070 --> 00:27:14,559  
you i guess you get uh selected to be

608  
00:27:17,669 --> 00:27:16,080  
the commander

609  
00:27:19,029 --> 00:27:17,679  
based on your experience in the past and

610  
00:27:20,789 --> 00:27:19,039  
i haven't really hadn't really thought

611  
00:27:22,710 --> 00:27:20,799  
about the numbers and and all that kind

612  
00:27:24,149 --> 00:27:22,720  
of stuff so i didn't really have a

613  
00:27:26,710 --> 00:27:24,159

thought on it so i hope i'm not letting

614

00:27:27,830 --> 00:27:26,720

you down too much so i'm i'm sorry about

615

00:27:28,950 --> 00:27:27,840

that um

616

00:27:47,909 --> 00:27:28,960

i

617

00:27:49,669 --> 00:27:47,919

uh where they're where they're needed

618

00:27:51,750 --> 00:27:49,679

and the skills that they have uh and

619

00:27:53,350 --> 00:27:51,760

what they what they bring to the table

620

00:27:55,350 --> 00:27:53,360

and i think that's probably the right

621

00:27:57,510 --> 00:27:55,360

way to do it um most of the people in

622

00:27:59,669 --> 00:27:57,520

this business uh from all the different

623

00:28:01,830 --> 00:27:59,679

partner agencies uh they're all

624

00:28:03,990 --> 00:28:01,840

professional astronauts and cosmonauts

625

00:28:06,470 --> 00:28:04,000

they've been through a rigorous program

626

00:28:09,110 --> 00:28:06,480

to get to where we are

627

00:28:11,430 --> 00:28:09,120

we go through training courses such as

628

00:28:13,510 --> 00:28:11,440

national outdoor leadership school

629

00:28:15,350 --> 00:28:13,520

together and other other programs like

630

00:28:18,070 --> 00:28:15,360

that the nemo missions where we live in

631

00:28:20,149 --> 00:28:18,080

a aquatic habitat under the water

632

00:28:21,669 --> 00:28:20,159

and we we get along i mean people are

633

00:28:23,110 --> 00:28:21,679

professional they know the job that they

634

00:28:24,630 --> 00:28:23,120

need to get done

635

00:28:26,389 --> 00:28:24,640

they know their strengths and their

636

00:28:28,950 --> 00:28:26,399

weakness and i think at this stage in

637

00:28:30,710 --> 00:28:28,960

our our lives nobody really has a big

638

00:28:31,590 --> 00:28:30,720

ego about that stuff you know you know

639

00:28:35,590 --> 00:28:31,600

where

640

00:28:37,590 --> 00:28:35,600

somebody else can actually take up the

641

00:28:39,430 --> 00:28:37,600

slack for you and you ask for help when

642

00:28:40,630 --> 00:28:39,440

you need it and so you need people who

643

00:28:42,950 --> 00:28:40,640

are like that

644

00:28:44,630 --> 00:28:42,960

i haven't really thought about

645

00:28:46,789 --> 00:28:44,640

men versus women which i think that was

646

00:28:49,350 --> 00:28:46,799

sort of where the question was going um

647

00:28:52,070 --> 00:28:49,360

but i think if everybody's professional

648

00:28:54,230 --> 00:28:52,080

i think it really doesn't matter

649

00:28:55,669 --> 00:28:54,240

except for the fact that aki can't cook

650

00:28:57,269 --> 00:28:55,679

and i

651  
00:29:00,870 --> 00:28:57,279  
you do need somebody who can put food

652  
00:29:05,830 --> 00:29:03,350  
and just one quick follow if i could i

653  
00:29:07,510 --> 00:29:05,840  
was just curious as to whether you've

654  
00:29:10,389 --> 00:29:07,520  
registered for

655  
00:29:12,950 --> 00:29:10,399  
any marathon during this particular

656  
00:29:15,909 --> 00:29:12,960  
increment if you plan on another orbital

657  
00:29:17,990 --> 00:29:15,919  
marathon thanks uh good question uh like

658  
00:29:19,830 --> 00:29:18,000  
aki mentioned there's a major sporting

659  
00:29:22,149 --> 00:29:19,840  
event going on while we're

660  
00:29:23,990 --> 00:29:22,159  
up in space and i think we're going to

661  
00:29:25,190 --> 00:29:24,000  
do something a little more team oriented

662  
00:29:26,950 --> 00:29:25,200  
this year

663  
00:29:28,870 --> 00:29:26,960

this time around rather than have me run

664

00:29:31,669 --> 00:29:28,880

a marathon actually aki and i are

665

00:29:34,310 --> 00:29:31,679

participating in a uh in a science

666

00:29:36,149 --> 00:29:34,320

experiment and sport protocol called

667

00:29:38,470 --> 00:29:36,159

sprint which is

668

00:29:40,630 --> 00:29:38,480

absolutely not running a marathon it's

669

00:29:42,389 --> 00:29:40,640

hard working doing sprinting type of

670

00:29:45,590 --> 00:29:42,399

exercises so

671

00:29:46,630 --> 00:29:45,600

i i don't think i'll be in marathon

672

00:29:48,470 --> 00:29:46,640

shape

673

00:29:52,070 --> 00:29:48,480

but i'll i will be in good sprinting

674

00:29:55,510 --> 00:29:54,070

okay i believe that concludes our phone

675

00:29:57,110 --> 00:29:55,520

bridge questions i'm going to return

676  
00:29:59,350 --> 00:29:57,120  
here to the johnson space center for any

677  
00:30:01,110 --> 00:29:59,360  
remaining follow-ups by reporters here

678  
00:30:02,710 --> 00:30:01,120  
in person

679  
00:30:04,630 --> 00:30:02,720  
okay seeing none we're going to move on

680  
00:30:08,549 --> 00:30:04,640  
to questions that have been submitted

681  
00:30:13,269 --> 00:30:10,950  
okay guys first we have a comment the

682  
00:30:18,149 --> 00:30:13,279  
first one was for aki this comment just

683  
00:30:21,590 --> 00:30:19,909  
first question we have here comes from

684  
00:30:23,269 --> 00:30:21,600  
and i'm going to spell this out i think

685  
00:30:24,310 --> 00:30:23,279  
it's actually we have a lower third so

686  
00:30:28,549 --> 00:30:24,320  
you'll be able to see this but it's

687  
00:30:41,830 --> 00:30:30,630  
did you apply for the expedition or were

688  
00:30:45,750 --> 00:30:43,590

um

689

00:30:47,190 --> 00:30:45,760

selected i you know where uh

690

00:30:48,470 --> 00:30:47,200

there's a bunch of us in the u.s

691

00:30:50,870 --> 00:30:48,480

astronaut corps i think we have

692

00:30:53,110 --> 00:30:50,880

somewhere around 65 or 70 active

693

00:30:55,990 --> 00:30:53,120

astronauts uh

694

00:30:57,830 --> 00:30:56,000

57 a little lower

695

00:30:59,350 --> 00:30:57,840

and we we sort of rotate through

696

00:31:00,789 --> 00:30:59,360

missions because it takes about two and

697

00:31:02,389 --> 00:31:00,799

a half years for the training program

698

00:31:04,470 --> 00:31:02,399

for us to fly in space and then there's

699

00:31:06,310 --> 00:31:04,480

about a six month rehab program

700

00:31:07,750 --> 00:31:06,320

when you come back from space and

701

00:31:09,430 --> 00:31:07,760

usually after that you use your

702

00:31:11,509 --> 00:31:09,440

experience to help the office and the

703

00:31:14,230 --> 00:31:11,519

younger astronauts and then you're sort

704

00:31:15,590 --> 00:31:14,240

of waiting in a pool for the rest uh

705

00:31:17,830 --> 00:31:15,600

with the rest of the astronauts there to

706

00:31:20,870 --> 00:31:17,840

be assigned and hopefully your skill set

707

00:31:22,149 --> 00:31:20,880

um is is uh avail is one of the ones

708

00:31:24,070 --> 00:31:22,159

that they need for the next mission

709

00:31:26,230 --> 00:31:24,080

coming up and so

710

00:31:28,070 --> 00:31:26,240

the chief of the office makes the

711

00:31:29,990 --> 00:31:28,080

selection uh for who's going to be on

712

00:31:32,630 --> 00:31:30,000

the mission from the u.s side i think

713

00:31:34,789 --> 00:31:32,640

that's pretty parallel for the japanese

714

00:31:37,029 --> 00:31:34,799

side in the russian side yes the

715

00:31:39,590 --> 00:31:37,039

japanese site is pretty similar um you

716

00:31:41,909 --> 00:31:39,600

know once we finish our mission on orbit

717

00:31:44,230 --> 00:31:41,919

we'll come back down uh on the ground

718

00:31:46,789 --> 00:31:44,240

and and then support other missions for

719

00:31:50,310 --> 00:31:46,799

instance i was a capcom working here in

720

00:31:53,590 --> 00:31:50,320

houston and also helping out robotics

721

00:31:54,470 --> 00:31:53,600

and all the japanese modules and htv as

722

00:31:55,509 --> 00:31:54,480

well

723

00:31:58,149 --> 00:31:55,519

so

724

00:32:01,669 --> 00:31:58,159

that helps the mission as well as you

725

00:32:04,389 --> 00:32:01,679

you learn a lot from those technical

726  
00:32:05,909 --> 00:32:04,399  
jobs and then you're in a waiting mode

727  
00:32:07,350 --> 00:32:05,919  
and then you know if

728  
00:32:10,470 --> 00:32:07,360  
everything lines up then you get

729  
00:32:12,389 --> 00:32:10,480  
selected for a mission

730  
00:32:15,269 --> 00:32:12,399  
okay great thank you okay we have this

731  
00:32:17,269 --> 00:32:15,279  
next question it comes from mps forza

732  
00:32:20,789 --> 00:32:17,279  
how does the cardiovascular system react

733  
00:32:24,870 --> 00:32:22,789  
well we're working on figuring that out

734  
00:32:27,750 --> 00:32:24,880  
actually there's a slew of experiments

735  
00:32:29,350 --> 00:32:27,760  
called integrated cardiovascular and

736  
00:32:31,990 --> 00:32:29,360  
it's a bunch of scientists from all over

737  
00:32:35,750 --> 00:32:32,000  
the place taking lots of measurements on

738  
00:32:40,230 --> 00:32:37,590

part of that is

739

00:32:43,029 --> 00:32:40,240

imaging using ultrasound

740

00:32:44,549 --> 00:32:43,039

before and after physical fitness and

741

00:32:45,909 --> 00:32:44,559

just trying to figure out what is

742

00:32:47,990 --> 00:32:45,919

actually going on on with your

743

00:32:50,470 --> 00:32:48,000

cardiovascular system but you know it's

744

00:32:52,230 --> 00:32:50,480

a muscle and it's not being taxed as

745

00:32:54,470 --> 00:32:52,240

much just in general you know basic

746

00:32:56,710 --> 00:32:54,480

words it's it's not being as taxed

747

00:32:58,470 --> 00:32:56,720

in space as much as it is

748

00:32:59,990 --> 00:32:58,480

when we're usually on the ground your

749

00:33:01,909 --> 00:33:00,000

heart has to work against gravity to

750

00:33:03,830 --> 00:33:01,919

pump blood all over the place all over

751  
00:33:05,350 --> 00:33:03,840  
your body and in space it doesn't have

752  
00:33:07,110 --> 00:33:05,360  
to work so hard obviously it's not

753  
00:33:09,269 --> 00:33:07,120  
working against gravity so there's

754  
00:33:11,909 --> 00:33:09,279  
probably a decrease in the in the muscle

755  
00:33:13,590 --> 00:33:11,919  
mass while we're up in space um but we

756  
00:33:14,630 --> 00:33:13,600  
don't know all of that for sure and so

757  
00:33:16,070 --> 00:33:14,640  
that's why we're doing some of the

758  
00:33:18,230 --> 00:33:16,080  
research that we're doing and some of

759  
00:33:20,070 --> 00:33:18,240  
the ultrasounds are really going to help

760  
00:33:21,830 --> 00:33:20,080  
it's going to be interesting to see the

761  
00:33:25,350 --> 00:33:21,840  
difference of when we're working out up

762  
00:33:26,870 --> 00:33:25,360  
in space versus just relaxing so um

763  
00:33:28,149 --> 00:33:26,880

that's a lot of research that's ongoing

764

00:33:31,110 --> 00:33:28,159

right now

765

00:33:33,430 --> 00:33:31,120

okay great thanks and uh

766

00:33:35,430 --> 00:33:33,440

another one comes from at jules burford

767

00:33:37,990 --> 00:33:35,440

burford how would you manage with a

768

00:33:42,149 --> 00:33:38,000

medical emergency i.e appendicitis and

769

00:33:48,149 --> 00:33:44,950

that's a very good question um

770

00:33:50,870 --> 00:33:48,159

we do train uh you know my background as

771

00:33:54,310 --> 00:33:50,880

an engineer not a doctor but we do get

772

00:33:55,830 --> 00:33:54,320

some training in case of emergency now

773

00:33:57,590 --> 00:33:55,840

doing an operation that might be a

774

00:34:00,870 --> 00:33:57,600

different story but

775

00:34:04,149 --> 00:34:00,880

just like a first aid kit or cpr we're

776

00:34:06,310 --> 00:34:04,159

trained to do that and we do train

777

00:34:07,990 --> 00:34:06,320

on each other you know in a mock-up

778

00:34:10,710 --> 00:34:08,000

let's say someone

779

00:34:13,109 --> 00:34:10,720

you know fell what do you do and then we

780

00:34:15,030 --> 00:34:13,119

we coordinate amongst ourselves and get

781

00:34:16,470 --> 00:34:15,040

the first aid kit and start working you

782

00:34:18,470 --> 00:34:16,480

know cpr

783

00:34:20,470 --> 00:34:18,480

and all that stuff so uh we are trained

784

00:34:21,750 --> 00:34:20,480

to do that

785

00:34:24,230 --> 00:34:21,760

but of course

786

00:34:28,550 --> 00:34:24,240

we're not doctors so we can't do like a

787

00:34:30,550 --> 00:34:28,560

very detailed skill based operation

788

00:34:33,030 --> 00:34:30,560

okay thank you and we have another one

789

00:34:34,629 --> 00:34:33,040

this one comes from rickstar1

790

00:34:36,149 --> 00:34:34,639

they want to know what is the number one

791

00:34:41,990 --> 00:34:36,159

thing you are looking forward to doing

792

00:34:45,270 --> 00:34:43,990

so let's see i

793

00:34:47,750 --> 00:34:45,280

i'm really looking forward to the

794

00:34:50,869 --> 00:34:47,760

docking we practice that

795

00:34:53,030 --> 00:34:50,879

pretty rigorously in star city

796

00:34:55,669 --> 00:34:53,040

it's supposed to be automatic

797

00:34:57,750 --> 00:34:55,679

but we've yuri of course is trained to

798

00:34:59,430 --> 00:34:57,760

take over manually in case we need to do

799

00:35:01,270 --> 00:34:59,440

a manual docking

800

00:35:03,349 --> 00:35:01,280

i was like as a

801  
00:35:05,589 --> 00:35:03,359  
flight engineer i was also lucky enough

802  
00:35:07,430 --> 00:35:05,599  
to train to do that as well so it's

803  
00:35:09,829 --> 00:35:07,440  
actually flying a little spacecraft

804  
00:35:11,910 --> 00:35:09,839  
around which is pretty amazing

805  
00:35:14,630 --> 00:35:11,920  
so i'm and last time i flew up to the

806  
00:35:16,630 --> 00:35:14,640  
space station on a space shuttle

807  
00:35:18,150 --> 00:35:16,640  
and it was a pretty slow process this

808  
00:35:19,990 --> 00:35:18,160  
time it's going to be a little faster

809  
00:35:21,990 --> 00:35:20,000  
process from what it from what we've

810  
00:35:24,069 --> 00:35:22,000  
trained to do so i'm i'm really looking

811  
00:35:24,950 --> 00:35:24,079  
forward to the docking and opening the

812  
00:35:28,230 --> 00:35:24,960  
hatch

813  
00:35:31,109 --> 00:35:28,240

we're going to have three other crew

814

00:35:32,230 --> 00:35:31,119

members there to greet us and shortly

815

00:35:33,910 --> 00:35:32,240

thereafter

816

00:35:35,589 --> 00:35:33,920

we'll probably be

817

00:35:37,510 --> 00:35:35,599

able to talk to our family and friends

818

00:35:39,190 --> 00:35:37,520

and just tell them in person that we we

819

00:35:41,190 --> 00:35:39,200

made it there successfully so i think

820

00:35:44,150 --> 00:35:41,200

that's going to be the highlight just to

821

00:35:46,230 --> 00:35:44,160

hear their voices when we get up there

822

00:35:48,310 --> 00:35:46,240

thank you sunny okay i have one more and

823

00:35:49,910 --> 00:35:48,320

this one is actually for yuri

824

00:35:51,670 --> 00:35:49,920

it's a two-part question the first part

825

00:35:54,150 --> 00:35:51,680

is in russian and the second part is

826

00:35:56,390 --> 00:35:54,160

english first part is cocktail

827

00:36:01,670 --> 00:35:56,400

as a cosmonaut how does your training

828

00:36:01,680 --> 00:36:04,950

well i

829

00:36:11,589 --> 00:36:07,430

my responsibility is mostly russian

830

00:36:14,630 --> 00:36:11,599

segment and i focus on all tasks which

831

00:36:17,430 --> 00:36:14,640

bring russian space program

832

00:36:20,430 --> 00:36:17,440

and also i'm

833

00:36:23,670 --> 00:36:20,440

so used commander so i have

834

00:36:27,990 --> 00:36:23,680

a lot of training with

835

00:36:29,109 --> 00:36:28,000

controls i use transport vehicle

836

00:36:30,790 --> 00:36:29,119

and

837

00:36:33,349 --> 00:36:30,800

also we have

838

00:36:36,870 --> 00:36:33,359

national science program and

839

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

i'm focused on this and

840

00:36:41,510 --> 00:36:38,560

but

841

00:36:43,349 --> 00:36:41,520

at the same time i have training in u.s

842

00:36:44,150 --> 00:36:43,359

japan in europe

843

00:36:45,910 --> 00:36:44,160

and

844

00:36:48,710 --> 00:36:45,920

depends what

845

00:36:52,829 --> 00:36:48,720

agencies want me to do i

846

00:36:56,790 --> 00:36:55,510

so as i said it's

847

00:36:59,270 --> 00:36:56,800

mostly just

848

00:37:02,870 --> 00:36:59,280

focus more to

849

00:37:06,829 --> 00:37:02,880

different parts of station and

850

00:37:09,430 --> 00:37:06,839

maybe i work in more of these people

851  
00:37:11,589 --> 00:37:09,440  
who working in

852  
00:37:13,270 --> 00:37:11,599  
a russian control centers

853  
00:37:14,870 --> 00:37:13,280  
okay

854  
00:37:16,470 --> 00:37:14,880  
that's all we have for today

855  
00:37:18,870 --> 00:37:16,480  
thank you all right

856  
00:37:20,470 --> 00:37:18,880  
thank you with that we'll return for one

857  
00:37:22,230 --> 00:37:20,480  
last

858  
00:37:25,109 --> 00:37:22,240  
opportunity for any remaining questions

859  
00:37:27,030 --> 00:37:25,119  
here from the johnson space center