



1  
00:00:18,300 --> 00:00:16,890  
dr. kjell lindgren will visit space for

2  
00:00:19,730 --> 00:00:18,310  
the first time as a member of the

3  
00:00:23,069 --> 00:00:19,740  
International Space Station's expedition

4  
00:00:25,169 --> 00:00:23,079  
44 45 crew with a doctorate of medicine

5  
00:00:26,939 --> 00:00:25,179  
from the university of colorado shell is

6  
00:00:29,189 --> 00:00:26,949  
board-certified in emergency and

7  
00:00:31,649 --> 00:00:29,199  
aerospace medicine he was serving as the

8  
00:00:33,930 --> 00:00:31,659  
deputy flight surgeon for sts 130 and

9  
00:00:38,130 --> 00:00:33,940  
expedition 24 when he was selected to

10  
00:00:40,110 --> 00:00:38,140  
join the astronaut corps in 2009 till

11  
00:00:42,270 --> 00:00:40,120  
will be joined in space by 2009

12  
00:00:44,970 --> 00:00:42,280  
astronaut class mate kimiya yui of the

13  
00:00:46,770 --> 00:00:44,980

japan aerospace exploration agency kimi

14

00:00:48,990 --> 00:00:46,780

is a graduate of the National Defence

15

00:00:50,820 --> 00:00:49,000

Academy of Japan and retired from the

16

00:00:53,460 --> 00:00:50,830

japan air self-defense force as a

17

00:00:55,080 --> 00:00:53,470

lieutenant colonel in 2012 he was

18

00:00:57,690 --> 00:00:55,090

stationed at the aquarius underwater

19

00:01:01,110 --> 00:00:57,700

habitat for 11 days as part of the nemo

20

00:01:03,569 --> 00:01:01,120

16 crew landing the soyuz spacecraft

21

00:01:05,670 --> 00:01:03,579

that will launch expedition 44 into

22

00:01:07,890 --> 00:01:05,680

low-earth orbit the cosmonaut Oleg

23

00:01:09,600 --> 00:01:07,900

Kononenko the veteran space flyer has

24

00:01:11,670 --> 00:01:09,610

visited the International Space Station

25

00:01:13,649 --> 00:01:11,680

twice and is spent more than a year of

26

00:01:15,540 --> 00:01:13,659

his life aboard Allah has three

27

00:01:19,080 --> 00:01:15,550

spacewalks to its credit and served as

28

00:01:20,340 --> 00:01:19,090

the commander of expedition 31 gel Kimia

29

00:01:22,140 --> 00:01:20,350

and knowledge will launch to the space

30

00:01:29,020 --> 00:01:22,150

station from the Baikonur cosmodrome in

31

00:01:32,690 --> 00:01:31,310

good afternoon and thanks for joining us

32

00:01:34,219 --> 00:01:32,700

here at the Johnson Space Center we're

33

00:01:36,350 --> 00:01:34,229

honored today to have the crew joining

34

00:01:37,850 --> 00:01:36,360

us here chelle Oleg and Kamyra thank you

35

00:01:40,069 --> 00:01:37,860

so much gentlemen for joining us today

36

00:01:41,510 --> 00:01:40,079

thank you for having us we know it's an

37

00:01:43,850 --> 00:01:41,520

exciting time we're just about two

38

00:01:45,380 --> 00:01:43,860

months out for your launch and the first

39

00:01:46,730 --> 00:01:45,390

mission for at least fruit shell and

40

00:01:48,529 --> 00:01:46,740

Kamya can you tell us a little bit about

41

00:01:49,880 --> 00:01:48,539

the mood amongst you guys as a crew and

42

00:01:52,340 --> 00:01:49,890

some of the final training you have in

43

00:01:54,889 --> 00:01:52,350

the US for your art well we're very

44

00:01:56,270 --> 00:01:54,899

excited and it's always great when we're

45

00:02:00,139 --> 00:01:56,280

all in the same country and get to train

46

00:02:02,839 --> 00:02:00,149

together but you know we're ready to fly

47

00:02:04,339 --> 00:02:02,849

we had to be basically certified and

48

00:02:06,620 --> 00:02:04,349

ready to fly back in November when we

49

00:02:09,050 --> 00:02:06,630

served as the backup crew to Terry and

50

00:02:11,420 --> 00:02:09,060

Samantha and Anton and so we have most

51  
00:02:14,120 --> 00:02:11,430  
of our training and certifications done

52  
00:02:17,720 --> 00:02:14,130  
at that time so in the past four or five

53  
00:02:19,250 --> 00:02:17,730  
months we've kind of been doing some

54  
00:02:21,920 --> 00:02:19,260  
last-minute training and working on

55  
00:02:23,059 --> 00:02:21,930  
payloads Oleg and Kamyra do you guys feel

56  
00:02:24,199 --> 00:02:23,069  
like the pace is starting to pick up

57  
00:02:26,960 --> 00:02:24,209  
though now that the launch date is

58  
00:02:30,379 --> 00:02:26,970  
closing in yeah you're really excited

59  
00:02:33,050 --> 00:02:30,389  
yeah sure and I was erected awesome not

60  
00:02:36,620 --> 00:02:33,060  
counted in 2009 and since then we

61  
00:02:40,550 --> 00:02:36,630  
trained for six years together so you're

62  
00:02:42,080 --> 00:02:40,560  
really ready to go yeah buddy until you

63  
00:02:43,789 --> 00:02:42,090

have kind of a unique background being a

64

00:02:45,650 --> 00:02:43,799

doctor and even a previous NASA flight

65

00:02:47,330 --> 00:02:45,660

surgeon can you tell us your perspective

66

00:02:48,800 --> 00:02:47,340

now going into a mission where you're

67

00:02:50,930 --> 00:02:48,810

going to be not only a test subject

68

00:02:52,849 --> 00:02:50,940

yourself but even a scientist your butt

69

00:02:55,009 --> 00:02:52,859

well I've been interested in spaceflight

70

00:02:59,150 --> 00:02:55,019

and the effect of microgravity on the

71

00:03:01,430 --> 00:02:59,160

human body really since undergrad I did

72

00:03:03,440 --> 00:03:01,440

my my senior thesis on orthostatic

73

00:03:05,449 --> 00:03:03,450

intolerance which is basically how

74

00:03:07,490 --> 00:03:05,459

microgravity affects the part of how

75

00:03:09,920 --> 00:03:07,500

microgravity affects the cardiovascular

76  
00:03:11,930 --> 00:03:09,930  
system and so I'm having studied that in

77  
00:03:15,199 --> 00:03:11,940  
graduate school and undergrad and then

78  
00:03:17,720 --> 00:03:15,209  
and then working with the crew as a

79  
00:03:19,220 --> 00:03:17,730  
flight surgeon you know this is going to

80  
00:03:23,270 --> 00:03:19,230  
be a really unique opportunity to

81  
00:03:25,159 --> 00:03:23,280  
experience it firsthand and and see what

82  
00:03:27,830 --> 00:03:25,169  
it feels like to to work and live in

83  
00:03:29,839 --> 00:03:27,840  
space and so that's very exciting to be

84  
00:03:31,430 --> 00:03:29,849  
at this point we're excited for you and

85  
00:03:32,960 --> 00:03:31,440  
we have a lot of folks who are excited

86  
00:03:34,370 --> 00:03:32,970  
for you as well so we have a lot of

87  
00:03:35,780 --> 00:03:34,380  
special guests with us today we have

88  
00:03:37,540 --> 00:03:35,790

some residents from the University of

89

00:03:40,300 --> 00:03:37,550

Texas Medical Branch and also

90

00:03:41,440 --> 00:03:40,310

students from the DeBakey high school so

91

00:03:42,880 --> 00:03:41,450

with that we're going to start with

92

00:03:45,040 --> 00:03:42,890

questions here from the Johnson Space

93

00:03:46,720 --> 00:03:45,050

Center will start with media first so if

94

00:03:48,460 --> 00:03:46,730

you can raise your hand and state your

95

00:03:50,860 --> 00:03:48,470

name and affiliation when selected will

96

00:03:53,710 --> 00:03:50,870

start over here with mark thank you

97

00:03:58,570 --> 00:03:53,720

marker of radiation week and I have a

98

00:04:01,110 --> 00:03:58,580

question for dr. lenguin can you explain

99

00:04:03,900 --> 00:04:01,120

that the sorts of activities you're

100

00:04:06,340 --> 00:04:03,910

expecting to do this part of the

101  
00:04:09,370 --> 00:04:06,350  
reconfiguration of the u.s. part of the

102  
00:04:10,960 --> 00:04:09,380  
space station absolutely you know this

103  
00:04:13,020 --> 00:04:10,970  
is a very exciting time in the space

104  
00:04:16,270 --> 00:04:13,030  
station program where we were preparing

105  
00:04:21,130 --> 00:04:16,280  
the station to receive our Commercial

106  
00:04:23,020 --> 00:04:21,140  
Crew partners vehicles and so for our

107  
00:04:26,380 --> 00:04:23,030  
particular expedition right now we have

108  
00:04:28,180 --> 00:04:26,390  
scheduled a SpaceX Dragon coming up that

109  
00:04:31,060 --> 00:04:28,190  
will bring up the first international

110  
00:04:34,810 --> 00:04:31,070  
docking adapter and this is scheduled

111  
00:04:36,340 --> 00:04:34,820  
for around June July timeframe and will

112  
00:04:39,520 --> 00:04:36,350  
because scott kelly and i will be doing

113  
00:04:42,400 --> 00:04:39,530

an EV a to install that on the forward

114

00:04:44,380 --> 00:04:42,410

portion of node 2 and so that's very

115

00:04:47,170 --> 00:04:44,390

exciting and that will set off kind of a

116

00:04:49,240 --> 00:04:47,180

whole stream of reconfiguration or will

117

00:04:51,640 --> 00:04:49,250

bring up another idea another docking

118

00:04:54,730 --> 00:04:51,650

adaptor later in the year in addition

119

00:04:56,620 --> 00:04:54,740

we're kind of reconfiguring some of the

120

00:04:59,650 --> 00:04:56,630

other ports and so we'll be moving the

121

00:05:02,260 --> 00:04:59,660

pmm one of our logistics modules away

122

00:05:07,180 --> 00:05:02,270

from the bottom part of the station to

123

00:05:10,270 --> 00:05:07,190

forward node 3 and and then also doing a

124

00:05:12,130 --> 00:05:10,280

lot of reconfiguration within inside the

125

00:05:15,420 --> 00:05:12,140

space station rotating racks out of the

126

00:05:18,640 --> 00:05:15,430

way to to lay down power and data lines

127

00:05:22,020 --> 00:05:18,650

to meet the needs of those new adapters

128

00:05:28,800 --> 00:05:24,450

Michael endo America space will you be

129

00:05:31,080 --> 00:05:28,810

performing all three EPA's with Kelly or

130

00:05:33,600 --> 00:05:31,090

we'll just sure well what we know right

131

00:05:35,310 --> 00:05:33,610

now is of course every everything can

132

00:05:37,290 --> 00:05:35,320

change it just it really depends on on

133

00:05:38,580 --> 00:05:37,300

the schedule what the operational

134

00:05:39,990 --> 00:05:38,590

requirements are at the time what we

135

00:05:43,740 --> 00:05:40,000

have scheduled right now is this this

136

00:05:45,120 --> 00:05:43,750

first EV a in the June July timeframe to

137

00:05:46,620 --> 00:05:45,130

install the international docking

138

00:05:49,080 --> 00:05:46,630

adapting the first international docking

139

00:05:50,700 --> 00:05:49,090

adapting we have two more EVs that are

140

00:05:54,330 --> 00:05:50,710

kind of on the schedule right now out

141

00:05:58,230 --> 00:05:54,340

towards the end of the of our

142

00:05:59,850 --> 00:05:58,240

expeditions and and hopefully those will

143

00:06:01,440 --> 00:05:59,860

stay within our increment because that

144

00:06:04,410 --> 00:06:01,450

might represent an opportunity for Kimia

145

00:06:06,480 --> 00:06:04,420

and I to do a space walk together but

146

00:06:09,390 --> 00:06:06,490

again it really kind of depends on

147

00:06:14,000 --> 00:06:09,400

vehicle traffic at the time and what our

148

00:06:22,560 --> 00:06:19,500

Robert hi Robert from space com with

149

00:06:24,870 --> 00:06:22,570

regards to the rig the relocation of the

150

00:06:27,690 --> 00:06:24,880

modules and just the normal traffic of

151  
00:06:29,370 --> 00:06:27,700  
visiting vehicles what what's expected

152  
00:06:30,720 --> 00:06:29,380  
to be the impact on the science of the

153  
00:06:33,750 --> 00:06:30,730  
amount of time that you'll be able to

154  
00:06:35,790 --> 00:06:33,760  
devote as a crew to the site load on the

155  
00:06:37,710 --> 00:06:35,800  
station absolutely well the

156  
00:06:39,420 --> 00:06:37,720  
International Space Station as you know

157  
00:06:41,510 --> 00:06:39,430  
is a national laboratory and it was

158  
00:06:43,920 --> 00:06:41,520  
created to conduct science and research

159  
00:06:46,620 --> 00:06:43,930  
in orbit and so that is our that's our

160  
00:06:49,160 --> 00:06:46,630  
number one priority we have this

161  
00:06:53,370 --> 00:06:49,170  
reorganization or reorganization the

162  
00:06:55,380 --> 00:06:53,380  
modules that's scheduled to occur and we

163  
00:06:57,420 --> 00:06:55,390

have a whole planning division right

164

00:06:59,930 --> 00:06:57,430

that's working with the knowledge that

165

00:07:02,100 --> 00:06:59,940

we're going to be rotating racks and

166

00:07:05,150 --> 00:07:02,110

doing other things that can impact

167

00:07:08,360 --> 00:07:05,160

science so we're going to try and

168

00:07:10,380 --> 00:07:08,370

mitigate and reduce the impact of

169

00:07:13,020 --> 00:07:10,390

reconfiguration on science as much as

170

00:07:15,090 --> 00:07:13,030

possible so that we continue to meet the

171

00:07:17,070 --> 00:07:15,100

needs of all the scientists and

172

00:07:20,610 --> 00:07:17,080

researchers that are counting on us to

173

00:07:27,719 --> 00:07:24,659

jimmie burger with NBC prefer mr. Kenan

174

00:07:29,850 --> 00:07:27,729

echo since you're the veteran what kind

175

00:07:32,430 --> 00:07:29,860

of advice have you been giving your your

176

00:07:35,850 --> 00:07:32,440

two rookies to make it less hard for

177

00:07:39,090 --> 00:07:35,860

them to adapt to space what sort of

178

00:07:45,240 --> 00:07:39,100

advice can do that you could share with

179

00:07:47,820 --> 00:07:45,250

us no exclusion as watch knowledge

180

00:07:50,250 --> 00:07:47,830

economy I need of such open and gromit

181

00:07:55,770 --> 00:07:50,260

me I wish in Brazil just run off him in

182

00:07:57,930 --> 00:07:55,780

stir stir Yamaguchi leads open at like

183

00:08:00,540 --> 00:07:57,940

in tokoro de Kock a pillow gardenia

184

00:08:02,969 --> 00:08:00,550

video so much congestion way nobody can

185

00:08:05,100 --> 00:08:02,979

you depot garima wooden bullied it'll

186

00:08:06,930 --> 00:08:05,110

annoy kendama booty Ahmad Rashad

187

00:08:11,700 --> 00:08:06,940

Saddam's do solo shots edoardo to

188

00:08:13,529 --> 00:08:11,710

connotea me paga very Anton mucha

189

00:08:15,600 --> 00:08:13,539

desi girl also Kabul a huge

190

00:08:18,180 --> 00:08:15,610

responsibility Oh quadrato patrina

191

00:08:19,260 --> 00:08:18,190

Robert well it's hard to call them

192

00:08:24,029 --> 00:08:19,270

rookies because they are very

193

00:08:25,890 --> 00:08:24,039

experienced and educated astronauts but

194

00:08:27,570 --> 00:08:25,900

I can't share with them some experience

195

00:08:29,580 --> 00:08:27,580

about entering microgravity for the

196

00:08:31,110 --> 00:08:29,590

first time and of course we will be

197

00:08:33,719 --> 00:08:31,120

talking about that in more detail at

198

00:08:36,060 --> 00:08:33,729

Baikonur and also since I have returned

199

00:08:38,730 --> 00:08:36,070

twice before I will be sharing some

200

00:08:41,100 --> 00:08:38,740

experience on how to bastard get used to

201  
00:08:44,880 --> 00:08:41,110  
living back on Earth with the full

202  
00:08:50,250 --> 00:08:44,890  
gravity of the earth and another

203  
00:08:52,290 --> 00:08:50,260  
question again you're in Houston you all

204  
00:08:55,410 --> 00:08:52,300  
come with you have lots of hours in

205  
00:08:57,480 --> 00:08:55,420  
space but you're joining the one-year

206  
00:09:01,560 --> 00:08:57,490  
crew up there how were your missions

207  
00:09:05,880 --> 00:09:01,570  
overlap wielding absolutely bill overlap

208  
00:09:08,190 --> 00:09:05,890  
so scott kelly and mikhail kornienko and

209  
00:09:10,560 --> 00:09:08,200  
gennady padalka are preparing to launch

210  
00:09:12,210 --> 00:09:10,570  
here and a few days from baikonur

211  
00:09:14,250 --> 00:09:12,220  
cosmodrome and they'll have been up

212  
00:09:16,410 --> 00:09:14,260  
there for about two months when when we

213  
00:09:19,430 --> 00:09:16,420

arrived and will have the opportunity to

214

00:09:24,090 --> 00:09:19,440

spend our full six-month mission with

215

00:09:25,860 --> 00:09:24,100

with scott in Mikhail and so we will

216

00:09:27,720 --> 00:09:25,870

have the opportunity to watch them for

217

00:09:29,350 --> 00:09:27,730

the first part of this one-year mission

218

00:09:34,000 --> 00:09:29,360

and

219

00:09:36,690 --> 00:09:34,010

that they're doing but this is a really

220

00:09:39,250 --> 00:09:36,700

exciting time this is something that is

221

00:09:41,290 --> 00:09:39,260

from an operational perspective and from

222

00:09:43,840 --> 00:09:41,300

a research perspective is preparing us

223

00:09:46,269 --> 00:09:43,850

for long-duration missions to our

224

00:09:47,949 --> 00:09:46,279

ultimate goal of getting to Mars and so

225

00:09:55,960 --> 00:09:47,959

it's really exciting to be a part of

226

00:09:58,210 --> 00:09:55,970

that my name is Lola Kozma from Japanese

227

00:10:01,720 --> 00:09:58,220

newspapers I give you I have a question

228

00:10:05,350 --> 00:10:01,730

for japanese astronaut aki niassa this

229

00:10:09,460 --> 00:10:05,360

is your first pride into space so what

230

00:10:12,400 --> 00:10:09,470

do you want to do in the space and most

231

00:10:15,670 --> 00:10:12,410

what is the most important to work in

232

00:10:17,680 --> 00:10:15,680

your fried ok it's yeah there are a lot

233

00:10:20,500 --> 00:10:17,690

of like a important things but first of

234

00:10:23,019 --> 00:10:20,510

all I'd like to try as much like as

235

00:10:25,480 --> 00:10:23,029

possible as many challenge as possible

236

00:10:27,699 --> 00:10:25,490

so if i have a new opportunity to try

237

00:10:31,920 --> 00:10:27,709

something i'm going to raise my hand and

238

00:10:35,050 --> 00:10:31,930

try so and one of the most probably

239

00:10:37,060 --> 00:10:35,060

significant maybe event is there are

240

00:10:40,090 --> 00:10:37,070

some possibility that htb couldn't be

241

00:10:42,970 --> 00:10:40,100

launched during our mission so hopefully

242

00:10:47,230 --> 00:10:42,980

i can get deeply involved hopefully i

243

00:10:50,040 --> 00:10:47,240

can grapple that HTV and of course in

244

00:10:53,710 --> 00:10:50,050

that HTV vehicle we have a lot of

245

00:10:56,230 --> 00:10:53,720

important palos about related to the

246

00:10:59,980 --> 00:10:56,240

jacks experiment so i want to prepare

247

00:11:03,130 --> 00:10:59,990

for that and i want to work hard to read

248

00:11:05,949 --> 00:11:03,140

that experiment would be successful yeah

249

00:11:07,870 --> 00:11:05,959

thank you ok we're going to switch now

250

00:11:10,110 --> 00:11:07,880

to social media for a couple questions

251  
00:11:12,040 --> 00:11:10,120  
and just remind your for viewers we are

252  
00:11:13,810 --> 00:11:12,050  
monitoring social media and taking

253  
00:11:15,220 --> 00:11:13,820  
questions so use the hashtag ask nasa

254  
00:11:17,170 --> 00:11:15,230  
and we'll switch it over to megan for

255  
00:11:18,610 --> 00:11:17,180  
some of those questions coming in all

256  
00:11:21,220 --> 00:11:18,620  
right we have one from twitter from

257  
00:11:28,750 --> 00:11:21,230  
explorer what favorite foods have each

258  
00:11:30,790 --> 00:11:28,760  
of you asked for yes sir yeah I'd like

259  
00:11:34,569 --> 00:11:30,800  
to yeah my favorite food is actually

260  
00:11:37,510 --> 00:11:34,579  
japanese space food is like a curry with

261  
00:11:39,939 --> 00:11:37,520  
rice so i'm really looking for looking

262  
00:11:42,820 --> 00:11:39,949  
for to eat that actually and i'd like to

263  
00:11:45,280 --> 00:11:42,830

share with my crew members and try

264

00:11:50,980 --> 00:11:45,290

some of them yeah my favorites Bay

265

00:11:53,410 --> 00:11:50,990

Street is also curry with rice can I

266

00:11:56,980 --> 00:11:53,420

have to protect his uh yeah it's for

267

00:11:58,450 --> 00:11:56,990

them you know it's it's very interesting

268

00:12:01,930 --> 00:11:58,460

because we have the opportunity to try

269

00:12:04,480 --> 00:12:01,940

food down here both us from the US Food

270

00:12:07,060 --> 00:12:04,490

Lab and then also when were in Russia we

271

00:12:11,020 --> 00:12:07,070

have the opportunity to try items from

272

00:12:13,480 --> 00:12:11,030

the Russian menu and it's all really i

273

00:12:14,680 --> 00:12:13,490

mean i think i picked out maybe three or

274

00:12:16,480 --> 00:12:14,690

four things that i didn't really care

275

00:12:19,180 --> 00:12:16,490

for but for the most part it was all

276

00:12:20,170 --> 00:12:19,190

really good i think our tastes depending

277

00:12:22,480 --> 00:12:20,180

on who you talk to you our tastes change

278

00:12:24,340 --> 00:12:22,490

a little bit when we get in space and

279

00:12:26,080 --> 00:12:24,350

then also when you have a repeating menu

280

00:12:27,880 --> 00:12:26,090

as good as things taste when you have a

281

00:12:30,640 --> 00:12:27,890

repeating menu I think maybe sometimes

282

00:12:33,520 --> 00:12:30,650

things I might get a little bit old but

283

00:12:36,970 --> 00:12:33,530

I've been told that the BBQ brisket is

284

00:12:38,710 --> 00:12:36,980

really good so I I put that on my in my

285

00:12:43,120 --> 00:12:38,720

bonus container and I'm looking forward

286

00:12:46,690 --> 00:12:43,130

to seeing how this all works in space so

287

00:12:48,100 --> 00:12:46,700

just say it's AI mean you had to would

288

00:12:49,660 --> 00:12:48,110

cause one of the standout American

289

00:12:52,710 --> 00:12:49,670

Institute in playa when you Carly put a

290

00:12:55,060 --> 00:12:52,720

monster on a strainer okay absolute now

291

00:12:59,950 --> 00:12:55,070

resnick she stuck me Roberto no tribute

292

00:13:02,530 --> 00:12:59,960

least chasm tuck pshew is da bomb

293

00:13:05,620 --> 00:13:02,540

occasional sharp item own a stencil to

294

00:13:08,700 --> 00:13:05,630

the station he connects each tenure me

295

00:13:11,710 --> 00:13:08,710

new Tom usted mini appreciated see the

296

00:13:14,680 --> 00:13:11,720

mineral dish next run editions door with

297

00:13:17,800 --> 00:13:14,690

the key Tom o his'n provoca shita de

298

00:13:21,130 --> 00:13:17,810

lettres knob resent revenue na stanza no

299

00:13:23,189 --> 00:13:21,140

attack uma East preposition a American

300

00:13:26,620 --> 00:13:23,199

sketchy lublu

301  
00:13:31,060 --> 00:13:26,630  
liberace 30 was smashing barbecue is the

302  
00:13:36,430 --> 00:13:31,070  
revolution opens Keys yamaga data after

303  
00:13:39,069 --> 00:13:36,440  
expedite bhosle Satoshi the conditions

304  
00:13:44,379 --> 00:13:39,079  
are at risk and chest to oxidation will

305  
00:13:47,110 --> 00:13:44,389  
be a brutal x one of the interesting

306  
00:13:50,379 --> 00:13:47,120  
thing is that cosmonauts and astronauts

307  
00:13:51,939 --> 00:13:50,389  
we have a very unique experience we when

308  
00:13:54,220 --> 00:13:51,949  
we train we travel all over the world

309  
00:13:56,680 --> 00:13:54,230  
and we get to eat different foods from

310  
00:13:58,720 --> 00:13:56,690  
all over the world and as a result the

311  
00:14:01,720 --> 00:13:58,730  
main young station is also very unique

312  
00:14:04,480 --> 00:14:01,730  
and very international so I never get

313  
00:14:07,870 --> 00:14:04,490

bored trying different foods when on

314

00:14:10,509 --> 00:14:07,880

station but as for me personally I do

315

00:14:13,090 --> 00:14:10,519

like the tortillas with me the BBQ I

316

00:14:14,350 --> 00:14:13,100

also like the Japanese rice actually

317

00:14:16,360 --> 00:14:14,360

ended up eating a lot of it after

318

00:14:18,879 --> 00:14:16,370

Satoshi during the previous expedition

319

00:14:23,259 --> 00:14:18,889

and of course the the Russian favorite

320

00:14:24,579 --> 00:14:23,269

is the cotton cheese with nuts I think

321

00:14:26,170 --> 00:14:24,589

we should have a food tasting at our

322

00:14:29,230 --> 00:14:26,180

next briefing sounds like you more I

323

00:14:31,750 --> 00:14:29,240

hear about hahaha okay and another

324

00:14:34,300 --> 00:14:31,760

question from social media yes also from

325

00:14:35,980 --> 00:14:34,310

Twitter yazzy for Astra chelle what do

326

00:14:41,230 --> 00:14:35,990

you expect to see on your first mission

327

00:14:43,150 --> 00:14:41,240

to the space station Wow well what I'm

328

00:14:44,559 --> 00:14:43,160

really looking forward to seeing is the

329

00:14:47,019 --> 00:14:44,569

earth being able to just go to the

330

00:14:49,110 --> 00:14:47,029

cupola and to look down at the earth

331

00:14:52,389 --> 00:14:49,120

always changing all the beautiful colors

332

00:14:54,160 --> 00:14:52,399

and you know talking with some of my

333

00:14:57,579 --> 00:14:54,170

friends that have flown already and if

334

00:14:59,019 --> 00:14:57,589

sent down amazing pictures you know the

335

00:15:00,699 --> 00:14:59,029

thing that they will say is that it

336

00:15:02,800 --> 00:15:00,709

doesn't that the pictures don't even do

337

00:15:05,319 --> 00:15:02,810

the earth justice that it's the colors

338

00:15:06,939 --> 00:15:05,329

are so vibrant and and so beautiful and

339

00:15:08,620 --> 00:15:06,949

so that's something I'm really looking

340

00:15:12,220 --> 00:15:08,630

forward to and then just seeing this the

341

00:15:13,660 --> 00:15:12,230

space station in space and exploring you

342

00:15:16,449 --> 00:15:13,670

know what's going to be our new home a

343

00:15:18,460 --> 00:15:16,459

new place of work for the the following

344

00:15:21,280 --> 00:15:18,470

six months and so we spent a lot of time

345

00:15:23,829 --> 00:15:21,290

in a simulator at in building nine here

346

00:15:25,930 --> 00:15:23,839

at the Space Center a lot of time and

347

00:15:29,319 --> 00:15:25,940

the simulators out in Russia and in

348

00:15:31,540 --> 00:15:29,329

Europe and and in Japan and and to see

349

00:15:33,650 --> 00:15:31,550

what it's really like I think it's going

350

00:15:38,170 --> 00:15:33,660

to feel very familiar and we'll quick

351  
00:15:40,370 --> 00:15:38,180  
we feel like kind of our home in space

352  
00:15:42,560 --> 00:15:40,380  
and but we'll be floating you're right

353  
00:15:43,970 --> 00:15:42,570  
hahahaha and I think the same question

354  
00:15:44,960 --> 00:15:43,980  
could be posed for Kimmy is there

355  
00:15:46,310 --> 00:15:44,970  
something in particular that you're

356  
00:15:48,980 --> 00:15:46,320  
looking forward to seeing on your first

357  
00:15:50,630 --> 00:15:48,990  
mission yeah sigma auxiliary Chelle I'm

358  
00:15:53,270 --> 00:15:50,640  
really looking forward to see the earth

359  
00:15:55,010 --> 00:15:53,280  
occurring from the space and right now

360  
00:15:57,260 --> 00:15:55,020  
I'm ruining how to take a good picture

361  
00:16:01,610 --> 00:15:57,270  
so I would like to take a picture and

362  
00:16:03,980 --> 00:16:01,620  
maybe tweet yeah and share my experience

363  
00:16:07,700 --> 00:16:03,990

to all the people in all over the world

364

00:16:09,740 --> 00:16:07,710

yeah that's my goal okay all the cores

365

00:16:11,210 --> 00:16:09,750

are following along for that yeah we're

366

00:16:13,280 --> 00:16:11,220

now going to take questions from the

367

00:16:15,260 --> 00:16:13,290

phone bridge phone bridge participants

368

00:16:16,760 --> 00:16:15,270

please press a stroke number one if you

369

00:16:18,470 --> 00:16:16,770

have a question and please press star

370

00:16:20,240 --> 00:16:18,480

number two to withdraw your question if

371

00:16:23,680 --> 00:16:20,250

it's already been answered so we will

372

00:16:26,360 --> 00:16:23,690

start with miriam kramer with space com

373

00:16:29,840 --> 00:16:26,370

hi thanks so much for taking my question

374

00:16:31,700 --> 00:16:29,850

um so uh this is for anyone that would

375

00:16:35,150 --> 00:16:31,710

like to answer it um and I'm just

376

00:16:36,650 --> 00:16:35,160

curious will you be will all of you be

377

00:16:39,760 --> 00:16:36,660

using social media while you're up there

378

00:16:44,180 --> 00:16:39,770

spending down pictures of fried Twitter

379

00:16:47,060 --> 00:16:44,190

yep thank you thought that was rolling

380

00:16:51,140 --> 00:16:47,070

yes all of you oh I'm sorry okay so i

381

00:16:54,140 --> 00:16:51,150

think i was really excited to follow my

382

00:16:56,810 --> 00:16:54,150

colleagues that were sending messages

383

00:16:59,180 --> 00:16:56,820

and notes down from space and so I want

384

00:17:01,510 --> 00:16:59,190

to share and that also i think the

385

00:17:04,100 --> 00:17:01,520

social media is really proven to be

386

00:17:06,530 --> 00:17:04,110

great for sharing the experience of

387

00:17:08,420 --> 00:17:06,540

space people don't have to necessarily

388

00:17:10,100 --> 00:17:08,430

go to the NASA website or the photo of

389

00:17:12,380 --> 00:17:10,110

the data to see pictures that are coming

390

00:17:14,000 --> 00:17:12,390

down but kind of unfolding real time as

391

00:17:15,860 --> 00:17:14,010

the crew are going through their day

392

00:17:18,470 --> 00:17:15,870

sharing their thoughts sharing pictures

393

00:17:22,280 --> 00:17:18,480

that they're seeing sharing pictures of

394

00:17:24,860 --> 00:17:22,290

you know different parts of the world as

395

00:17:26,360 --> 00:17:24,870

people are experiencing weather or

396

00:17:28,700 --> 00:17:26,370

things in those parts of the world I

397

00:17:31,100 --> 00:17:28,710

think really kind of creates a bridge to

398

00:17:34,840 --> 00:17:31,110

the to the space station and so I think

399

00:17:38,270 --> 00:17:34,850

that being active as much as possible

400

00:17:39,680 --> 00:17:38,280

while of course focusing on the mission

401  
00:17:41,060 --> 00:17:39,690  
that we have up there the science and

402  
00:17:43,820 --> 00:17:41,070  
the research and the work that we have

403  
00:17:44,720 --> 00:17:43,830  
to do up there I think being active on

404  
00:17:48,799 --> 00:17:44,730  
social media

405  
00:17:51,740 --> 00:17:48,809  
this is very exciting yeah for me as

406  
00:17:54,140 --> 00:17:51,750  
well actually I'm a big Twitter so every

407  
00:17:55,669 --> 00:17:54,150  
day I'm tweeting and I'm really looking

408  
00:17:59,120 --> 00:17:55,679  
forward to read there I mean like

409  
00:18:01,490 --> 00:17:59,130  
message as well so if you have maybe

410  
00:18:03,919 --> 00:18:01,500  
like some requests to me maybe I can

411  
00:18:06,380 --> 00:18:03,929  
read and if I have a time of course

412  
00:18:09,680 --> 00:18:06,390  
machines number one priority but I have

413  
00:18:13,039 --> 00:18:09,690

a time and I dunno yakka yeah for all

414

00:18:15,320 --> 00:18:13,049

your requests so I'm merely looking for

415

00:18:17,900 --> 00:18:15,330

to like a talking and sharing I mean

416

00:18:23,299 --> 00:18:17,910

like exchanging the message with you

417

00:18:25,039 --> 00:18:23,309

guys actually everybody know he have his

418

00:18:29,260 --> 00:18:25,049

new veneers need a lucky man poor Jewish

419

00:18:33,289 --> 00:18:29,270

society me sitting promised Ana Donna

420

00:18:35,480 --> 00:18:33,299

the graduation ugh of Ravinia no-nos was

421

00:18:40,549 --> 00:18:35,490

cosmesis astute spits a nice loose Rock

422

00:18:43,520 --> 00:18:40,559

intori athlete SES Muslim noi e misread

423

00:18:45,289 --> 00:18:43,530

see any got over soda pocket pro sofa dt

424

00:18:47,960 --> 00:18:45,299

a student of letterpress lights ambien

425

00:18:50,659 --> 00:18:47,970

abort a Bajoran militia and akiva Bruce

426

00:18:53,450 --> 00:18:50,669

yeah that's all I photography no satanic

427

00:18:57,710 --> 00:18:53,460

see Jacob I just arrived mention

428

00:18:59,840 --> 00:18:57,720

presence today well unlike my colleagues

429

00:19:01,370 --> 00:18:59,850

I'm not as active in social media

430

00:19:04,220 --> 00:19:01,380

because it actually takes up a lot of

431

00:19:07,100 --> 00:19:04,230

time but a trois cosmos we have a

432

00:19:09,049 --> 00:19:07,110

special service that prepares a full

433

00:19:11,570 --> 00:19:09,059

packet for me of questions from students

434

00:19:13,220 --> 00:19:11,580

and from children and I read these

435

00:19:15,200 --> 00:19:13,230

questions with a lot of interest than I

436

00:19:17,990 --> 00:19:15,210

always answer the questions and also

437

00:19:20,570 --> 00:19:18,000

send down pictures so that's the way I'm

438

00:19:22,430 --> 00:19:20,580

involved with everyone but I don't spend

439

00:19:28,820 --> 00:19:22,440

so much time on social media media

440

00:19:33,799 --> 00:19:28,830

myself and Miriam did you have a

441

00:19:36,470 --> 00:19:33,809

follow-up ok yeah that's good thank you

442

00:19:37,669 --> 00:19:36,480

right thank you ok will return here to

443

00:19:39,500 --> 00:19:37,679

the room here at Johnson Space Center

444

00:19:41,870 --> 00:19:39,510

and we will turn it over to the students

445

00:19:43,250 --> 00:19:41,880

so we'll start with the utmb visitors

446

00:19:45,950 --> 00:19:43,260

and residents if anybody has a special

447

00:19:47,760 --> 00:19:45,960

question ok

448

00:19:49,410 --> 00:19:47,770

over a six-month period you're gonna

449

00:19:52,050 --> 00:19:49,420

have a lot of science that you're doing

450

00:19:54,450 --> 00:19:52,060

this is for all three um is there one or

451  
00:19:59,700 --> 00:19:54,460  
two science projects in particular that

452  
00:20:02,610 --> 00:19:59,710  
you're excited about yeah so for me I

453  
00:20:05,670 --> 00:20:02,620  
became asked as soon not because when I

454  
00:20:09,690 --> 00:20:05,680  
was a little boy I was really interested

455  
00:20:12,780 --> 00:20:09,700  
in astronomy so right now still I have a

456  
00:20:14,820 --> 00:20:12,790  
great interest in astronomy and I have

457  
00:20:18,420 --> 00:20:14,830  
we have we are going to have a one

458  
00:20:22,590 --> 00:20:18,430  
payload jacks up a load that is observed

459  
00:20:25,620 --> 00:20:22,600  
like a high-energy electron yeah gamma

460  
00:20:28,170 --> 00:20:25,630  
ray so we are hoping that that kind wake

461  
00:20:31,710 --> 00:20:28,180  
experiments can contribute to find the

462  
00:20:37,640 --> 00:20:31,720  
dog model so yeah I'm very excited to

463  
00:20:43,050 --> 00:20:40,410

socialist experiment of watching nova

464

00:20:45,480 --> 00:20:43,060

scotia no village tequila khaki

465

00:20:48,590 --> 00:20:45,490

yellow be my experiment avaya's Bashaw

466

00:20:51,920 --> 00:20:48,600

hotels botulinum a virgin joanna marie

467

00:20:55,980 --> 00:20:51,930

system segment ooh not see experiment

468

00:20:59,370 --> 00:20:55,990

proponents opposition ocean no problem

469

00:21:01,980 --> 00:20:59,380

peter is Eugenia material of fettuccine

470

00:21:06,090 --> 00:21:01,990

chelovek zucchini assemblies cosmos ax

471

00:21:08,909 --> 00:21:06,100

me abou chicken is no public art opening

472

00:21:10,680 --> 00:21:08,919

technique experiment for familia vota do

473

00:21:13,799 --> 00:21:10,690

it was an experiment plasma crystal

474

00:21:18,029 --> 00:21:13,809

experiment at Sammy's night experiment

475

00:21:26,039 --> 00:21:18,039

resist kikuchiyo no fear episc SE vc

476

00:21:28,380 --> 00:21:26,049

Lainey plasma musalia precision delaney

477

00:21:32,039 --> 00:21:28,390

hunnert Nagas also ethnic accredited say

478

00:21:35,340 --> 00:21:32,049

Il mean experimental zucchini my

479

00:21:37,680 --> 00:21:35,350

personal allegiance to Cheney palitana

480

00:21:40,140 --> 00:21:37,690

premier naraz nahin top oh didja notice

481

00:21:42,690 --> 00:21:40,150

mr. piwate ya panya ruthlessness version

482

00:21:45,350 --> 00:21:42,700

stellar ski so dodgy públicas miss kima

483

00:21:49,020 --> 00:21:45,360

piraten seduce wat Mysterio probably Oh

484

00:21:52,620 --> 00:21:49,030

Tookie meta robot Amina catarina who

485

00:21:56,159 --> 00:21:52,630

Tina Juanita the correlation insidious

486

00:21:57,960 --> 00:21:56,169

Lonnie boot well there's a lot of

487

00:22:00,899 --> 00:21:57,970

interesting things I can't say that I

488

00:22:02,580 --> 00:22:00,909

have one favorite or one less favorite

489

00:22:04,110 --> 00:22:02,590

science project I actually enjoy all of

490

00:22:06,750 --> 00:22:04,120

them and i'll be doing a lot of them

491

00:22:08,730 --> 00:22:06,760

gladly on the russian segment there are

492

00:22:11,279 --> 00:22:08,740

several directions that we take we study

493

00:22:13,640 --> 00:22:11,289

different materials we study how humans

494

00:22:15,779 --> 00:22:13,650

behave in space and we study the earth

495

00:22:17,820 --> 00:22:15,789

personally I'm more interested in the

496

00:22:20,100 --> 00:22:17,830

technical aspects for example there was

497

00:22:23,070 --> 00:22:20,110

an experiment called the plasma crystal

498

00:22:25,409 --> 00:22:23,080

it's a joint experiment for the Russians

499

00:22:27,840 --> 00:22:25,419

and the Europeans and it studies the

500

00:22:30,659 --> 00:22:27,850

physical behaviors of plasma under

501  
00:22:33,000 --> 00:22:30,669  
different kinds of pressure when inert

502  
00:22:35,310 --> 00:22:33,010  
gases apply to it and all this in

503  
00:22:37,830 --> 00:22:35,320  
microgravity also there will be

504  
00:22:40,289 --> 00:22:37,840  
experiments done on me as an operator in

505  
00:22:42,899 --> 00:22:40,299  
a long-duration flight so i'll be doing

506  
00:22:44,730 --> 00:22:42,909  
different tasks for example a landing

507  
00:22:47,010 --> 00:22:44,740  
devices i'll be doing with robotics and

508  
00:22:49,520 --> 00:22:47,020  
all that will be studied and that is

509  
00:22:52,710 --> 00:22:49,530  
something that is very interesting to me

510  
00:22:55,590 --> 00:22:52,720  
and on so i mean this is a great

511  
00:22:58,500 --> 00:22:55,600  
question because it really speaks to the

512  
00:23:00,270 --> 00:22:58,510  
purpose of the space station that is to

513  
00:23:03,210 --> 00:23:00,280

be conducted conducting experiments and

514

00:23:05,430 --> 00:23:03,220

science and space it's a unique platform

515

00:23:08,130 --> 00:23:05,440

because of course it's a national

516

00:23:09,270 --> 00:23:08,140

laboratory and not just because you know

517

00:23:10,860 --> 00:23:09,280

we have the opportunity to do science

518

00:23:13,440 --> 00:23:10,870

and weightlessness but because it's a

519

00:23:15,390 --> 00:23:13,450

multidisciplinary national laboratory we

520

00:23:17,460 --> 00:23:15,400

can we're not just focusing on life

521

00:23:19,740 --> 00:23:17,470

sciences we have the opportunity to do

522

00:23:22,560 --> 00:23:19,750

physical sciences like combustion and

523

00:23:26,190 --> 00:23:22,570

studies looking at fluid dynamic surface

524

00:23:29,220 --> 00:23:26,200

wedding use of colloids material science

525

00:23:34,289 --> 00:23:29,230

so we have some amazing capabilities up

526  
00:23:37,200 --> 00:23:34,299  
there and and we say that we're working

527  
00:23:40,649 --> 00:23:37,210  
off the earth for the earth so we have

528  
00:23:46,049 --> 00:23:40,659  
the opportunity to not only investigate

529  
00:23:48,480 --> 00:23:46,059  
ways to maintain our capabilities in

530  
00:23:49,880 --> 00:23:48,490  
space and our abilities to go on in the

531  
00:23:54,149 --> 00:23:49,890  
future and do deep space exploration

532  
00:23:58,070 --> 00:23:54,159  
going to Mars and to support the human

533  
00:23:59,820 --> 00:23:58,080  
in these deep space explorations but

534  
00:24:03,450 --> 00:23:59,830  
what we're doing on the space station

535  
00:24:06,710 --> 00:24:03,460  
also has direct benefit for for the

536  
00:24:11,039 --> 00:24:06,720  
earth and for Humanity on the earth a

537  
00:24:13,230 --> 00:24:11,049  
lot of the science that we're doing is

538  
00:24:15,600 --> 00:24:13,240

looking at how the human body changes in

539

00:24:18,690 --> 00:24:15,610

weightlessness and so muscle atrophy or

540

00:24:20,490 --> 00:24:18,700

muscle-wasting osteoporosis immune

541

00:24:24,090 --> 00:24:20,500

dysfunction and all these things of

542

00:24:26,820 --> 00:24:24,100

course affect us in space but may have

543

00:24:28,950 --> 00:24:26,830

real impact for patients that suffer

544

00:24:32,250 --> 00:24:28,960

from these problems on the earth as well

545

00:24:35,669 --> 00:24:32,260

with my background in medicine of course

546

00:24:37,470 --> 00:24:35,679

I tend to have a lot of affinity for the

547

00:24:39,450 --> 00:24:37,480

the life science type research and so

548

00:24:41,070 --> 00:24:39,460

I'm particularly interested in and one

549

00:24:44,130 --> 00:24:41,080

of some of the things that are affecting

550

00:24:46,320 --> 00:24:44,140

us right now visual changes that we're

551

00:24:48,870 --> 00:24:46,330

seeing as a result of long-duration

552

00:24:50,610 --> 00:24:48,880

spaceflight is one topic of interest and

553

00:24:52,020 --> 00:24:50,620

I'm also interested in some of the the

554

00:24:56,970 --> 00:24:52,030

other things that we're doing along with

555

00:24:58,830 --> 00:24:56,980

bone loss and muscle atrophy great

556

00:25:02,940 --> 00:24:58,840

question do we have any others from the

557

00:25:04,860 --> 00:25:02,950

utmb visitors go ahead so so as a

558

00:25:06,810 --> 00:25:04,870

forward flight surgeon you know played a

559

00:25:09,120 --> 00:25:06,820

role in directly supporting crew members

560

00:25:10,650 --> 00:25:09,130

and their been a handful positions to

561

00:25:12,300 --> 00:25:10,660

made a transition to becoming to

562

00:25:13,950 --> 00:25:12,310

remember themselves what would you say

563

00:25:16,370 --> 00:25:13,960

has been the biggest challenge for you

564

00:25:21,570 --> 00:25:16,380

personally I'm making that transition

565

00:25:23,160 --> 00:25:21,580

biggest challenge you know for me I

566

00:25:30,060 --> 00:25:23,170

think that the biggest challenge has

567

00:25:32,730 --> 00:25:30,070

been trying to maintain my fluency and

568

00:25:34,500 --> 00:25:32,740

the medical arena kind of keep keeping

569

00:25:37,290 --> 00:25:34,510

up to date with the changes that are

570

00:25:39,570 --> 00:25:37,300

happening in space medicine and medicine

571

00:25:42,900 --> 00:25:39,580

in general while training for this

572

00:25:45,000 --> 00:25:42,910

mission so there's a lot our schedules

573

00:25:50,310 --> 00:25:45,010

get very busy and are busier the closer

574

00:25:56,760 --> 00:25:50,320

we get to launch and so I think trying

575

00:25:58,590 --> 00:25:56,770

to maintain maintain my my undersea is

576

00:26:00,570 --> 00:25:58,600

the best way to say it of what we're

577

00:26:02,970 --> 00:26:00,580

doing in space medicine so that can be a

578

00:26:06,810 --> 00:26:02,980

resource on the space station if if

579

00:26:08,970 --> 00:26:06,820

there are any issues to my crewmates the

580

00:26:10,590 --> 00:26:08,980

nice thing about working in low-earth

581

00:26:13,740 --> 00:26:10,600

orbit is that we have an amazing ground

582

00:26:15,840 --> 00:26:13,750

team that is supporting us and and that

583

00:26:18,180 --> 00:26:15,850

team includes the flight surgeons and

584

00:26:22,020 --> 00:26:18,190

space medicine group who will be able to

585

00:26:23,070 --> 00:26:22,030

support us if if we have any issues okay

586

00:26:25,050 --> 00:26:23,080

we're going to switch quickly now to

587

00:26:26,340 --> 00:26:25,060

some of our other special visitors these

588

00:26:28,170 --> 00:26:26,350

are high school students from the

589

00:26:29,700 --> 00:26:28,180

DeBakey high school for health

590

00:26:31,530 --> 00:26:29,710

profession so I think we have some

591

00:26:38,370 --> 00:26:31,540

questions from those students please

592

00:26:48,160 --> 00:26:41,770

what sort of a mental preparation you

593

00:26:56,120 --> 00:26:51,980

doing it okay mental preparation well I

594

00:26:59,150 --> 00:26:56,130

think part of that really just speaks to

595

00:27:01,310 --> 00:26:59,160

the training that we get we spend we've

596

00:27:02,690 --> 00:27:01,320

spent two and a half years kimia and I

597

00:27:05,450 --> 00:27:02,700

going through astronaut candidate

598

00:27:07,460 --> 00:27:05,460

training and then for this mission in

599

00:27:09,140 --> 00:27:07,470

particular another two two and a half

600

00:27:12,410 --> 00:27:09,150

years of mission specific training and

601  
00:27:13,880 --> 00:27:12,420  
so we spend a lot of time training for

602  
00:27:15,530 --> 00:27:13,890  
emergencies that might happen on the

603  
00:27:17,210 --> 00:27:15,540  
space station a lot of time on the

604  
00:27:19,700 --> 00:27:17,220  
different payloads the different systems

605  
00:27:21,560 --> 00:27:19,710  
spent a ton of time in the pool training

606  
00:27:24,590 --> 00:27:21,570  
for spacewalks and so that repetition

607  
00:27:29,030 --> 00:27:24,600  
and that study has really prepared us

608  
00:27:30,320 --> 00:27:29,040  
think for the the things that we're

609  
00:27:33,200 --> 00:27:30,330  
going to need to do while we're in space

610  
00:27:34,400 --> 00:27:33,210  
and with that training comes the

611  
00:27:36,620 --> 00:27:34,410  
confidence that we're going to be able

612  
00:27:39,350 --> 00:27:36,630  
to do what we need to do and so I think

613  
00:27:41,210 --> 00:27:39,360

that repetition and that confidence

614

00:27:43,970 --> 00:27:41,220

really prepare us mentally for for

615

00:27:46,100 --> 00:27:43,980

what's coming up and as things start to

616

00:27:47,450 --> 00:27:46,110

speed up feel like time is compressing

617

00:27:50,480 --> 00:27:47,460

here in the last couple of months of

618

00:27:51,919 --> 00:27:50,490

training personally I've tried to spend

619

00:27:54,260 --> 00:27:51,929

a little bit of time just quiet time

620

00:27:55,940 --> 00:27:54,270

just thinking about you know this

621

00:27:59,140 --> 00:27:55,950

opportunity that's coming not to get cut

622

00:28:01,700 --> 00:27:59,150

up caught up in the hustle and bustle of

623

00:28:03,680 --> 00:28:01,710

preparation but to really think it you

624

00:28:05,150 --> 00:28:03,690

know reflect a little bit about the

625

00:28:12,020 --> 00:28:05,160

soccer this amazing opportunity that

626

00:28:15,289 --> 00:28:12,030

we're about to embark on so for me it

627

00:28:17,870 --> 00:28:15,299

ago when I was assigned I know that my

628

00:28:20,390 --> 00:28:17,880

ability to go space is not enough and

629

00:28:23,120 --> 00:28:20,400

also I had to learn English and also the

630

00:28:26,299 --> 00:28:23,130

Russian and initially I worried about a

631

00:28:30,049 --> 00:28:26,309

little bit but I just analyze or why I'm

632

00:28:33,470 --> 00:28:30,059

worried about yeah about this mission so

633

00:28:35,750 --> 00:28:33,480

I just when I analyzed I realized that

634

00:28:39,020 --> 00:28:35,760

oh maybe this capability is not enough

635

00:28:41,450 --> 00:28:39,030

so I need their the gap requirement and

636

00:28:44,450 --> 00:28:41,460

also this is my ability so I just

637

00:28:47,419 --> 00:28:44,460

analyze this like gap and try work hard

638

00:28:49,010 --> 00:28:47,429

to keep my ability to going up that's

639

00:28:52,400 --> 00:28:49,020

kind of bracket or training and

640

00:28:55,190 --> 00:28:52,410

repetition so I did continuously

641

00:28:57,860 --> 00:28:55,200

actually that's six years I continuously

642

00:29:00,200 --> 00:28:57,870

did that and I think right now

643

00:29:03,730 --> 00:29:00,210

I met this kind record equipment so that

644

00:29:06,860 --> 00:29:03,740

became my like a confident so I think

645

00:29:10,160 --> 00:29:06,870

like a fundamental maybe you have to

646

00:29:12,650 --> 00:29:10,170

worry that worry is kind of natural for

647

00:29:15,799 --> 00:29:12,660

the people to have you have but you have

648

00:29:18,230 --> 00:29:15,809

to like honor eyes what is not mean not

649

00:29:20,900 --> 00:29:18,240

meeting your requirement that's kind of

650

00:29:24,320 --> 00:29:20,910

like assessment and also work hard that

651  
00:29:28,760 --> 00:29:24,330  
helps us to prepare you're like a

652  
00:29:34,780 --> 00:29:28,770  
challenges I think yeah good question

653  
00:29:37,220 --> 00:29:34,790  
any others from the students okay good

654  
00:29:40,010 --> 00:29:37,230  
this is the question for you all three

655  
00:29:42,520 --> 00:29:40,020  
of you to further your free time if you

656  
00:29:44,720 --> 00:29:42,530  
have any what do you plan to do with it

657  
00:29:48,530 --> 00:29:44,730  
it's a good question we have any free

658  
00:29:50,660 --> 00:29:48,540  
time you know it's a great question and

659  
00:29:52,100 --> 00:29:50,670  
speaking to the free time you know this

660  
00:29:54,020 --> 00:29:52,110  
is a six-month mission this is where

661  
00:29:55,280 --> 00:29:54,030  
we're not only going to be working but

662  
00:29:58,549 --> 00:29:55,290  
it's where we're going to be living as

663  
00:30:00,860 --> 00:29:58,559

well and so the schedule our long

664

00:30:03,020 --> 00:30:00,870

experience on the space station the

665

00:30:05,750 --> 00:30:03,030

experience that our colleagues have on

666

00:30:08,620 --> 00:30:05,760

on the Russian space stations and in our

667

00:30:12,080 --> 00:30:08,630

experience from Skylab back in the 70s

668

00:30:13,430 --> 00:30:12,090

really taught us that there has to be

669

00:30:16,310 --> 00:30:13,440

time for work and a time for a

670

00:30:18,560 --> 00:30:16,320

relaxation you know six months is a long

671

00:30:21,799 --> 00:30:18,570

time and so we need to we need to be

672

00:30:25,100 --> 00:30:21,809

able to take time to kind of rejuvenate

673

00:30:27,110 --> 00:30:25,110

both mentally and physically and so for

674

00:30:29,030 --> 00:30:27,120

myself I think be spending a lot of time

675

00:30:30,290 --> 00:30:29,040

looking out the window looking back at

676

00:30:33,110 --> 00:30:30,300

the earth and taking pictures and

677

00:30:36,110 --> 00:30:33,120

sharing the experience we have the

678

00:30:37,910 --> 00:30:36,120

ability to to watch some movies and

679

00:30:40,549 --> 00:30:37,920

television so it shows especially while

680

00:30:43,580 --> 00:30:40,559

we're exercising and just taking time to

681

00:30:44,840 --> 00:30:43,590

gather as a crew and talk about you know

682

00:30:48,549 --> 00:30:44,850

what's what's going on in the space

683

00:30:51,590 --> 00:30:48,559

station and talk about our experiences

684

00:30:55,190 --> 00:30:51,600

yeah you have a little girl oh I'm

685

00:30:56,330 --> 00:30:55,200

killers too sub1 ademia Misha

686

00:30:59,780 --> 00:30:56,340

williamsport with the dollars to a

687

00:31:01,250 --> 00:30:59,790

bookshop shots is similarly i think that

688

00:31:03,290 --> 00:31:01,260

i would add to what jill has said is

689

00:31:05,720 --> 00:31:03,300

that in the free time we would spend

690

00:31:08,700 --> 00:31:05,730

that time to talk and to communicate

691

00:31:13,049 --> 00:31:11,130

for me as I mentioned before maybe I

692

00:31:17,310 --> 00:31:13,059

would like to take a lot of picture and

693

00:31:18,990 --> 00:31:17,320

I'm actually big Twitter so probably i'm

694

00:31:21,330 --> 00:31:19,000

going to write some like a message and

695

00:31:24,389 --> 00:31:21,340

send these pictures to people yeah

696

00:31:27,720 --> 00:31:24,399

probably irie enjoy such kind of time

697

00:31:29,490 --> 00:31:27,730

probably yeah okay and speaking of

698

00:31:30,899 --> 00:31:29,500

social media will go back now to see if

699

00:31:33,240 --> 00:31:30,909

there's any additional questions from

700

00:31:34,799 --> 00:31:33,250

Twitter Megan alright we have one from

701  
00:31:37,320 --> 00:31:34,809  
Blake by RM on the International Space

702  
00:31:41,460 --> 00:31:37,330  
Station Facebook page what was the

703  
00:31:47,669 --> 00:31:41,470  
easiest and hardest part of training wow

704  
00:31:49,200 --> 00:31:47,679  
he's used in partisan archery um it's

705  
00:31:56,220 --> 00:31:49,210  
hard to think of the easiest part of

706  
00:32:00,779 --> 00:31:56,230  
training that's right the hardest part

707  
00:32:03,149 --> 00:32:00,789  
of training for myself I think that the

708  
00:32:05,580 --> 00:32:03,159  
travel and the time away from family is

709  
00:32:07,200 --> 00:32:05,590  
probably the hardest so over the course

710  
00:32:08,880 --> 00:32:07,210  
of about two and a half years of

711  
00:32:10,830 --> 00:32:08,890  
training for this mission we spend maybe

712  
00:32:13,710 --> 00:32:10,840  
forty percent of our time out of the

713  
00:32:15,990 --> 00:32:13,720

country and the most of that is spent

714

00:32:19,380 --> 00:32:16,000

training with our partners in Russia and

715

00:32:21,720 --> 00:32:19,390

so it's funny because now when I think

716

00:32:23,610 --> 00:32:21,730

about a three-week trip somewhere for

717

00:32:25,980 --> 00:32:23,620

training that doesn't seem very long to

718

00:32:27,360 --> 00:32:25,990

me but when I'm telling family or

719

00:32:30,480 --> 00:32:27,370

friends about out there like oh I can't

720

00:32:34,350 --> 00:32:30,490

believe three weeks away and so that's

721

00:32:36,930 --> 00:32:34,360

difficult but you know my wife and kids

722

00:32:39,720 --> 00:32:36,940

are incredibly supportive of this

723

00:32:41,399 --> 00:32:39,730

adventure and very excited and so it's

724

00:32:44,639 --> 00:32:41,409

been fun sharing the experiences along

725

00:32:47,669 --> 00:32:44,649

the way and we've developed strategies

726  
00:32:50,340 --> 00:32:47,679  
to you know to spend time together and

727  
00:32:53,460 --> 00:32:50,350  
so you know technologies is amazing

728  
00:32:56,250 --> 00:32:53,470  
we're able to call from wherever we are

729  
00:32:58,080 --> 00:32:56,260  
to talk with the family and use and I

730  
00:33:00,060 --> 00:32:58,090  
kind of teleconferencing software so

731  
00:33:05,850 --> 00:33:00,070  
just about every day the kids have to

732  
00:33:07,560 --> 00:33:05,860  
see my face so okay so for me one with

733  
00:33:10,320 --> 00:33:07,570  
the most difficult training with like a

734  
00:33:12,720 --> 00:33:10,330  
English and Russian maybe and longing

735  
00:33:15,480 --> 00:33:12,730  
lotion slewing by using English yeah

736  
00:33:18,750 --> 00:33:15,490  
that was really hot so every training is

737  
00:33:20,639 --> 00:33:18,760  
was very hard so but that was really

738  
00:33:21,960 --> 00:33:20,649

enjoyable give me a training that was

739

00:33:25,320 --> 00:33:21,970

also hard but

740

00:33:28,410 --> 00:33:25,330

when I have a I mean challenge yeah when

741

00:33:31,410 --> 00:33:28,420

I overcame overcame yeah I feel like I

742

00:33:33,930 --> 00:33:31,420

wrong I mean I became a better person so

743

00:33:37,200 --> 00:33:33,940

that was really great pleasure luxury

744

00:33:40,380 --> 00:33:37,210

and one of the easiest it's really hard

745

00:33:42,720 --> 00:33:40,390

to say but when i go back to japan and I

746

00:33:46,770 --> 00:33:42,730

took some keyboard training that was in

747

00:33:49,530 --> 00:33:46,780

Japanese yeah oh haha haha haha action

748

00:33:53,460 --> 00:33:49,540

that was difficult but yeah in Japanese

749

00:33:55,920 --> 00:33:53,470

it's yuliya easy I have to say when I

750

00:33:57,990 --> 00:33:55,930

think about learning a language through

751  
00:33:59,610 --> 00:33:58,000  
another language that is one of the most

752  
00:34:04,110 --> 00:33:59,620  
amazing things for me if I had to learn

753  
00:34:10,410 --> 00:34:04,120  
Japanese through Russian wow thank you

754  
00:34:13,590 --> 00:34:10,420  
for that's not like anything no lemon a

755  
00:34:16,590 --> 00:34:13,600  
sama trudno chested very me but almost

756  
00:34:20,130 --> 00:34:16,600  
new hotels bulleted cosmos motion

757  
00:34:22,320 --> 00:34:20,140  
cheshire gym it was emotional / mo chada

758  
00:34:25,830 --> 00:34:22,330  
que vous ganeshha puja torpedoes touched

759  
00:34:28,890 --> 00:34:25,840  
on a dog attack at louisville interiors

760  
00:34:32,580 --> 00:34:28,900  
na rabota vitamin pesky marinescu dosto

761  
00:34:34,140 --> 00:34:32,590  
card at the openness to the semester

762  
00:34:37,100 --> 00:34:34,150  
some varnish nice reading material

763  
00:34:39,990 --> 00:34:37,110

solution to the touch and reattach it

764

00:34:43,380 --> 00:34:40,000

well for me the hardest is the time I

765

00:34:45,480 --> 00:34:43,390

would like to fly more often to your

766

00:34:48,390 --> 00:34:45,490

preparation period is actually a very

767

00:34:50,040 --> 00:34:48,400

long time to wait I love this job and I

768

00:34:53,760 --> 00:34:50,050

wish I could spend more time and space

769

00:34:55,920 --> 00:34:53,770

but the truth is that learning and

770

00:34:57,180 --> 00:34:55,930

growing go hand in hand and when you

771

00:34:59,850 --> 00:34:57,190

understand something you feel good about

772

00:35:04,800 --> 00:34:59,860

it and better about yourself so that's

773

00:35:06,060 --> 00:35:04,810

always a plus okay um we're going to

774

00:35:09,050 --> 00:35:06,070

switch back now to you some questions

775

00:35:11,430 --> 00:35:09,060

here at Johnson Space Center Oh Robert

776

00:35:15,030 --> 00:35:11,440

today happens to be the 50th anniversary

777

00:35:17,520 --> 00:35:15,040

of the first spacewalk and so Oleg is

778

00:35:20,280 --> 00:35:17,530

the experience spacewalker on the crew i

779

00:35:22,350 --> 00:35:20,290

wonder if you could talk about the

780

00:35:24,089 --> 00:35:22,360

importance of spacewalks to the space

781

00:35:26,779 --> 00:35:24,099

station into its existence

782

00:35:29,819 --> 00:35:26,789

and then maybe for the two of you that

783

00:35:33,809 --> 00:35:29,829

what it's like to now approach your

784

00:35:35,910 --> 00:35:33,819

first DBA and I believed chelle you're

785

00:35:38,849 --> 00:35:35,920

going to be going out first around the

786

00:35:41,700 --> 00:35:38,859

time of the first American space walk if

787

00:35:43,410 --> 00:35:41,710

you have any plans to to mark that

788

00:35:50,430 --> 00:35:43,420

actually while you're out on all the

789

00:35:53,039 --> 00:35:50,440

space walk no wicket article what with

790

00:35:56,069 --> 00:35:53,049

the postman said todo prodigy or a

791

00:35:58,769 --> 00:35:56,079

booter stove nutri stanza Austin

792

00:36:02,039 --> 00:35:58,779

okonoboh Anna Navarro donia per dose

793

00:36:05,609 --> 00:36:02,049

venice lido when i vas motion rimm want

794

00:36:10,400 --> 00:36:05,619

taka con mis llego como le my pond al

795

00:36:13,289 --> 00:36:10,410

romanzo kozminski probly no podemos ee

796

00:36:15,989 --> 00:36:13,299

tagging esto sama sama de camões channel

797

00:36:17,700 --> 00:36:15,999

na rabota atomos Todd no y la vie GM

798

00:36:22,499 --> 00:36:17,710

Louise Illuminata research and Robo

799

00:36:25,739 --> 00:36:22,509

gadot a biggish GM Lynnea gran ish tol

800

00:36:28,559 --> 00:36:25,749

carranco million otra absolute insertion

801  
00:36:30,630 --> 00:36:28,569  
Aras nefesh Linney Jana burner local

802  
00:36:32,789 --> 00:36:30,640  
para su voz blow video but wrote a

803  
00:36:36,289 --> 00:36:32,799  
cosmos tokyo chivas toy hablando de

804  
00:36:39,269 --> 00:36:36,299  
cosas malinka history artificially on

805  
00:36:42,229 --> 00:36:39,279  
thomas fiera couture across resolution

806  
00:36:45,539 --> 00:36:42,239  
salinas loss mirren is emilio chin tonka

807  
00:36:48,539 --> 00:36:45,549  
wat pathum oh we have Cosmo zetta slow

808  
00:36:54,209 --> 00:36:48,549  
snaeh poznan trudno noi wrong official

809  
00:36:56,039 --> 00:36:54,219  
in abuja chatot oh well spacewalking is

810  
00:36:58,229 --> 00:36:56,049  
just a continuation of the work that we

811  
00:36:59,630 --> 00:36:58,239  
do inside the station sometimes we have

812  
00:37:02,339 --> 00:36:59,640  
to install additional equipment

813  
00:37:04,829 --> 00:37:02,349

sometimes we do a spacewalk to continue

814

00:37:07,380 --> 00:37:04,839

research or for example I'd had to do

815

00:37:09,660 --> 00:37:07,390

one to repair one of our flight vehicles

816

00:37:12,359 --> 00:37:09,670

it is also very emotional experience

817

00:37:14,009 --> 00:37:12,369

because seeing the earth through the

818

00:37:16,319 --> 00:37:14,019

window is completely different than

819

00:37:18,390 --> 00:37:16,329

seeing the earth directly from outside

820

00:37:19,799 --> 00:37:18,400

of the station the first thing that I

821

00:37:23,789 --> 00:37:19,809

noticed about earth when I was outside

822

00:37:25,019 --> 00:37:23,799

was how actually how large it is and the

823

00:37:27,209 --> 00:37:25,029

second thing is that the atmosphere

824

00:37:29,160 --> 00:37:27,219

around the world as compared to the size

825

00:37:32,370 --> 00:37:29,170

of the earth itself is actually very

826

00:37:35,339 --> 00:37:32,380

thin so he has a spacewalk is very

827

00:37:39,850 --> 00:37:35,349

dangerous it is very intense but it also

828

00:37:47,030 --> 00:37:43,610

so okay okay yep so just to kind of

829

00:37:48,940 --> 00:37:47,040

follow up on that you know if we talk

830

00:37:52,280 --> 00:37:48,950

about space walking very casually and

831

00:37:55,340 --> 00:37:52,290

and even kind of the the term

832

00:37:57,800 --> 00:37:55,350

spacewalking makes it sound very easy

833

00:38:00,650 --> 00:37:57,810

and I think that NASA the success that

834

00:38:04,760 --> 00:38:00,660

NASA and and the Russian space agency

835

00:38:07,040 --> 00:38:04,770

have had with spacewalks make it make it

836

00:38:09,290 --> 00:38:07,050

look easy and you know the environment

837

00:38:11,150 --> 00:38:09,300

is incredibly unforgiving and every time

838

00:38:14,630 --> 00:38:11,160

we go out the door we're essentially

839

00:38:17,570 --> 00:38:14,640

going out there in a mini spacecraft so

840

00:38:19,340 --> 00:38:17,580

it's a really a testament to the

841

00:38:21,410 --> 00:38:19,350

capability in the preparation that we're

842

00:38:24,280 --> 00:38:21,420

now at this time where we're celebrating

843

00:38:27,010 --> 00:38:24,290

the 50th anniversary of Alexei Leonov

844

00:38:30,290 --> 00:38:27,020

spacewalk and then in a few short months

845

00:38:34,460 --> 00:38:30,300

celebrating the first u.s. spacewalk for

846

00:38:36,410 --> 00:38:34,470

ed white the second on on jun 3rd and so

847

00:38:38,150 --> 00:38:36,420

we're very excited to be a part of that

848

00:38:41,750 --> 00:38:38,160

excited to have a spacewalk as a part of

849

00:38:45,560 --> 00:38:41,760

our expedition and of course we'll be

850

00:38:48,050 --> 00:38:45,570

celebrating the the u.s. anniversary in

851  
00:38:49,970 --> 00:38:48,060  
that time frame don't have don't have

852  
00:38:52,220 --> 00:38:49,980  
any plans right now to do anything

853  
00:38:55,610 --> 00:38:52,230  
special on the spacewalk but but that

854  
00:38:59,150 --> 00:38:55,620  
might change but space walking in

855  
00:39:01,340 --> 00:38:59,160  
general has been a critical component to

856  
00:39:03,140 --> 00:39:01,350  
the construction of the the

857  
00:39:05,030 --> 00:39:03,150  
International Space Station I think

858  
00:39:07,220 --> 00:39:05,040  
we've done two hundred and sixty four

859  
00:39:10,400 --> 00:39:07,230  
spacewalks total in 184 of those have

860  
00:39:13,670 --> 00:39:10,410  
been in in support of the space station

861  
00:39:15,740 --> 00:39:13,680  
construction and it remains a critical

862  
00:39:18,230 --> 00:39:15,750  
part of our ability to stay in space to

863  
00:39:20,120 --> 00:39:18,240

conduct repairs outside to to move

864

00:39:24,830 --> 00:39:20,130

equipment around and conduct experiments

865

00:39:27,410 --> 00:39:24,840

and it will remain a an important

866

00:39:30,220 --> 00:39:27,420

operational capability for for deep

867

00:39:33,710 --> 00:39:30,230

space exploration and going on to Mars

868

00:39:36,560 --> 00:39:33,720

and right now we're in the process for

869

00:39:38,150 --> 00:39:36,570

the first time since the 80s of looking

870

00:39:42,650 --> 00:39:38,160

at new prototype spacesuits that will

871

00:39:53,570 --> 00:39:49,880

okay additional questions again my

872

00:39:58,100 --> 00:39:53,580

question for me Asami in previous

873

00:40:01,310 --> 00:39:58,110

interview you said the u.s. famous

874

00:40:04,280 --> 00:40:01,320

movies a light shop yes is one of the

875

00:40:09,470 --> 00:40:04,290

reasons you decided to go to the space

876

00:40:13,640 --> 00:40:09,480

yes and your wife also impressed by the

877

00:40:16,160 --> 00:40:13,650

movie under CD commented you to apply to

878

00:40:18,320 --> 00:40:16,170

be an astronaut yes so could you give me

879

00:40:21,650 --> 00:40:18,330

a little bit more information about the

880

00:40:25,310 --> 00:40:21,660

episode when and where and why you know

881

00:40:29,390 --> 00:40:25,320

what's a movie and why why your wife

882

00:40:31,850 --> 00:40:29,400

either your wife helped you to be an

883

00:40:33,950 --> 00:40:31,860

astronaut oh okay thank you yeah a

884

00:40:38,420 --> 00:40:33,960

little bit complicated so make it that

885

00:40:41,300 --> 00:40:38,430

Saudi David shorter yeah so when I first

886

00:40:45,200 --> 00:40:41,310

time I saw that movie was when I became

887

00:40:48,740 --> 00:40:45,210

a pilot actually in training in here

888

00:40:51,800 --> 00:40:48,750

united states that was around like thing

889

00:40:54,620 --> 00:40:51,810

i was 24 years old yeah and at the time

890

00:40:57,620 --> 00:40:54,630

used to be I wanted to become a like

891

00:41:01,130 --> 00:40:57,630

astronaut but right now at that time I

892

00:41:03,290 --> 00:41:01,140

choose to go I mean to become a military

893

00:41:06,470 --> 00:41:03,300

pilot so actually a kind of break

894

00:41:10,010 --> 00:41:06,480

abundant my dream but when I saw that

895

00:41:12,440 --> 00:41:10,020

movie 40 there them maybe the past or if

896

00:41:15,070 --> 00:41:12,450

I became a military test pilot maybe I

897

00:41:17,840 --> 00:41:15,080

can become Rica japanese astronaut yeah

898

00:41:19,700 --> 00:41:17,850

at the time we didn't have touch can

899

00:41:23,120 --> 00:41:19,710

drag a carrier path but I just thought

900

00:41:25,970 --> 00:41:23,130

about that and I told this story to my

901  
00:41:28,670 --> 00:41:25,980  
wife and actually I force her to see

902  
00:41:31,250 --> 00:41:28,680  
that movie again the game so she was

903  
00:41:33,980 --> 00:41:31,260  
reading but that kind of story then like

904  
00:41:36,080 --> 00:41:33,990  
a Jackson announced that Jax is looking

905  
00:41:38,600 --> 00:41:36,090  
for new estimate she found that

906  
00:41:41,000 --> 00:41:38,610  
information I was so busy I couldn't

907  
00:41:44,540 --> 00:41:41,010  
find out information but my wife

908  
00:41:46,880 --> 00:41:44,550  
remember that story so yes she

909  
00:41:51,279 --> 00:41:46,890  
recommended me to become a assume you

910  
00:41:55,160 --> 00:41:51,289  
should a try yeah so yeah thank you

911  
00:41:56,809 --> 00:41:55,170  
yeah I'm sure that for horror seeing

912  
00:42:00,170 --> 00:41:56,819  
that same movie again and again that's

913  
00:42:06,010 --> 00:42:00,180

kind of like a painful but for me it

914

00:42:10,160 --> 00:42:06,020

worked out thank you okay next question

915

00:42:15,309 --> 00:42:10,170

is this is the question for all of you

916

00:42:18,020 --> 00:42:15,319

Richard could you share your image of

917

00:42:22,549 --> 00:42:18,030

development what they what kind of

918

00:42:26,059 --> 00:42:22,559

person the other good pro in brick wat

919

00:42:28,700 --> 00:42:26,069

thank you well I am you know I feel so

920

00:42:31,849 --> 00:42:28,710

blessed to have gotten assigned to this

921

00:42:36,559 --> 00:42:31,859

particular expedition to fly with Kimia

922

00:42:38,599 --> 00:42:36,569

and Alec so Kimmy and I like we said

923

00:42:41,120 --> 00:42:38,609

before Kimmy and I were both selected

924

00:42:43,940 --> 00:42:41,130

and trained as a part of the 2009 class

925

00:42:45,680 --> 00:42:43,950

and for some reason or another much of

926

00:42:47,809 --> 00:42:45,690

our astronaut candidate training we

927

00:42:50,420 --> 00:42:47,819

found ourselves in the same group and so

928

00:42:51,829 --> 00:42:50,430

honestly for we've really kind of been

929

00:42:54,170 --> 00:42:51,839

training together on not for the past

930

00:42:58,190 --> 00:42:54,180

six years and so he is the hardest

931

00:43:00,529 --> 00:42:58,200

working person I know and and so I know

932

00:43:03,170 --> 00:43:00,539

that when when when we are in space that

933

00:43:05,059 --> 00:43:03,180

he is going to be working incredibly

934

00:43:07,609 --> 00:43:05,069

hard to make sure that our mission is

935

00:43:11,470 --> 00:43:07,619

successful and that we get things done

936

00:43:13,940 --> 00:43:11,480

and and then to get to fly with a leg

937

00:43:15,710 --> 00:43:13,950

you know I feel like we all have the

938

00:43:18,470 --> 00:43:15,720

same priorities that we have a very

939

00:43:21,799 --> 00:43:18,480

similar outlook on life Oleg is an

940

00:43:23,720 --> 00:43:21,809

incredible leader and so I'm I feel

941

00:43:26,630 --> 00:43:23,730

again very blessed that he is our Soyuz

942

00:43:28,549 --> 00:43:26,640

commander and and will be there for the

943

00:43:33,349 --> 00:43:28,559

six months that were up there so he'll

944

00:43:35,359 --> 00:43:33,359

be a resource for bouncing ideas and

945

00:43:39,230 --> 00:43:35,369

thoughts off of for living and working

946

00:43:41,210 --> 00:43:39,240

in space in the fact that he's been on

947

00:43:44,990 --> 00:43:41,220

two missions that he's conducted several

948

00:43:47,960 --> 00:43:45,000

spacewalks just make make him an amazing

949

00:43:54,880 --> 00:43:47,970

resource for us both during training and

950

00:43:57,710 --> 00:43:54,890

future doing ordering her flight no

951  
00:43:59,920 --> 00:43:57,720  
cherokee me a copy of the video which in

952  
00:44:03,830 --> 00:43:59,930  
bosnia meludia watching abrazo name

953  
00:44:07,790 --> 00:44:03,840  
spokojnie llamo ganache gladden aziz

954  
00:44:09,830 --> 00:44:07,800  
Namir anissa fidelity a nice humorous

955  
00:44:16,400 --> 00:44:09,840  
madrid night at Miriam ernum much info

956  
00:44:18,740 --> 00:44:16,410  
my godness with Ryoga pet ammonia which

957  
00:44:22,310 --> 00:44:18,750  
in corrosion produced in azad I oh hush

958  
00:44:25,220 --> 00:44:22,320  
Sonny esna Kosinski palette well like I

959  
00:44:27,800 --> 00:44:25,230  
said before Kimmy and gel they're very

960  
00:44:30,080 --> 00:44:27,810  
curious people they are educated and

961  
00:44:32,330 --> 00:44:30,090  
calm and I think in a lot of ways our

962  
00:44:34,280 --> 00:44:32,340  
views are similar but the way that we

963  
00:44:36,200 --> 00:44:34,290

perceive earth the way that we perceive

964

00:44:39,050 --> 00:44:36,210

people we have a similar sense of humor

965

00:44:40,850 --> 00:44:39,060

which really helps us during training so

966

00:44:42,110 --> 00:44:40,860

I am looking forward to our flight

967

00:44:47,720 --> 00:44:42,120

together with a really good positive

968

00:44:50,870 --> 00:44:47,730

feeling me yeah also I'm really lucky to

969

00:44:53,690 --> 00:44:50,880

have these two great crew yeah Angelle

970

00:44:56,720 --> 00:44:53,700

we worked together for nine I know six

971

00:44:58,670 --> 00:44:56,730

years and I know he is multiple torrent

972

00:45:01,070 --> 00:44:58,680

yeah of course he had a rock great

973

00:45:02,810 --> 00:45:01,080

knowledge for the dog as a doctor and

974

00:45:05,510 --> 00:45:02,820

also he had a torrent for the

975

00:45:07,730 --> 00:45:05,520

entertaining someone actually I know

976

00:45:10,400 --> 00:45:07,740

that I cannot still in the detail but

977

00:45:13,220 --> 00:45:10,410

yeah that's true and he have a great

978

00:45:16,010 --> 00:45:13,230

idea for designing something yeah for

979

00:45:18,740 --> 00:45:16,020

the poster yeah he had a great idea so

980

00:45:20,930 --> 00:45:18,750

ideally de SPECT you yeah and I'm very

981

00:45:24,680 --> 00:45:20,940

happy to working with you yeah and

982

00:45:27,140 --> 00:45:24,690

really helpful kind thank you and of

983

00:45:33,100 --> 00:45:27,150

course Oleg he's a great commander a lot

984

00:45:37,040 --> 00:45:33,110

of experience and it's like he's he's

985

00:45:43,070 --> 00:45:37,050

always saying like really based on his

986

00:45:46,850 --> 00:45:43,080

Norwich he's good my girl soviet russian

987

00:45:49,240 --> 00:45:46,860

yeah like God yeah yeah yeah yeah that

988

00:45:51,950 --> 00:45:49,250

he has a really great readership and

989

00:45:53,930 --> 00:45:51,960

right now I remember the lotion would

990

00:45:58,220 --> 00:45:53,940

but I couldn't remember the English word

991

00:46:00,380 --> 00:45:58,230

I'm sorry so yeah so he has a really

992

00:46:02,900 --> 00:46:00,390

great knowledge and leadership I'm

993

00:46:05,900 --> 00:46:02,910

really working happy to working with you

994

00:46:07,910 --> 00:46:05,910

yeah thank you okay well I can't think

995

00:46:09,440 --> 00:46:07,920

of a better way to wrap up this briefing

996

00:46:10,580 --> 00:46:09,450

thanks so much for sharing so much I

997

00:46:12,320 --> 00:46:10,590

think we all feel like we know you a

998

00:46:15,230 --> 00:46:12,330

little bit more and we all wish you well

999

00:46:17,300 --> 00:46:15,240

on the upcoming mission for those who

1000

00:46:19,220 --> 00:46:17,310

are following on social media if we

1001

00:46:21,080 --> 00:46:19,230

didn't get your question shell will be

1002

00:46:23,180 --> 00:46:21,090

taking questions later this afternoon so

1003

00:46:25,400 --> 00:46:23,190

you can continue to send those in using

1004

00:46:26,540 --> 00:46:25,410

hashtag ask NASA otherwise you can

1005

00:46:27,980 --> 00:46:26,550

follow along with their mission

1006

00:46:31,190 --> 00:46:27,990

preparations on social media as

1007

00:46:33,710 --> 00:46:31,200

mentioned and our NASA website at WWF