



1
00:00:09,560 --> 00:00:02,600
station Houston are you ready for the

2
00:00:11,000 --> 00:00:09,570
event we are ready for the event CBS

3
00:00:13,610 --> 00:00:11,010
Radio Network this is Mission Control

4
00:00:22,880 --> 00:00:13,620
Houston please call the station for a

5
00:00:25,400 --> 00:00:22,890
voice check how do you hear me have you

6
00:00:27,109 --> 00:00:25,410
loud and clear now well Scott and

7
00:00:30,400 --> 00:00:27,119
Mikhail good morning it's peter king

8
00:00:32,540 --> 00:00:30,410
with Bill Harwood CBS network radio and

9
00:00:34,670 --> 00:00:32,550
glad to be speaking with you this

10
00:00:36,319 --> 00:00:34,680
morning you know this is the second stay

11
00:00:38,150 --> 00:00:36,329
for each of you on board the

12
00:00:40,069 --> 00:00:38,160
International Space Station Scott and

13
00:00:41,930 --> 00:00:40,079

some of your pre-flight interviews you

14

00:00:44,569 --> 00:00:41,940

spoke about hitting the wall after about

15

00:00:46,760 --> 00:00:44,579

four months the last time you're more

16

00:00:48,740 --> 00:00:46,770

than two months in here and for both of

17

00:00:54,139 --> 00:00:48,750

you are you even close to hitting the

18

00:00:55,930 --> 00:00:54,149

wall right now well uh good afternoon

19

00:01:00,830 --> 00:00:55,940

Peter and Bill great to talk to you guys

20

00:01:03,200 --> 00:01:00,840

I don't know it was so much of a wall as

21

00:01:05,119 --> 00:01:03,210

it was just kind of getting a sense that

22

00:01:06,710 --> 00:01:05,129

you've accomplished everything you're

23

00:01:09,560 --> 00:01:06,720

you know you got a little bit of a

24

00:01:11,810 --> 00:01:09,570

fatigue level and you're looking forward

25

00:01:13,730 --> 00:01:11,820

to coming home and that was you know the

26
00:01:14,960 --> 00:01:13,740
last time I was up here you know this

27
00:01:18,200 --> 00:01:14,970
time I have it a little bit different

28
00:01:21,679 --> 00:01:18,210
perspective I feel like I'm I've moved

29
00:01:23,300 --> 00:01:21,689
to the space station going to be here

30
00:01:25,070 --> 00:01:23,310
for a long time I'm not sure when i'm

31
00:01:27,950 --> 00:01:25,080
coming home although you know i dunno

32
00:01:28,969 --> 00:01:27,960
it'll be sometime in march and but i'm

33
00:01:31,550 --> 00:01:28,979
not thinking about that I'm thinking

34
00:01:35,539 --> 00:01:31,560
about pacing myself you know and having

35
00:01:39,289 --> 00:01:35,549
a good balance between rest and work and

36
00:01:42,109 --> 00:01:39,299
the Kyle same question uh and have have

37
00:02:14,260 --> 00:01:42,119
you settled in and are you feeling the

38
00:02:21,200 --> 00:02:17,710

young emo goose Gossage to Jason ettore

39

00:02:23,420 --> 00:02:21,210

I'm not saying it's a resort it's a

40

00:02:25,910 --> 00:02:23,430

workplace and all depends on how well

41

00:02:28,340 --> 00:02:25,920

you will manage to convince yourself

42

00:02:31,250 --> 00:02:28,350

that you have got to be there you gotta

43

00:02:33,890 --> 00:02:31,260

be doing productive work and we have

44

00:02:38,420 --> 00:02:33,900

convinced ourselves both myself and

45

00:02:40,670 --> 00:02:38,430

Scott is that we know what we expect and

46

00:02:43,610 --> 00:02:40,680

at this time I don't even think about it

47

00:02:46,490 --> 00:02:43,620

I know it's not going to happen too soon

48

00:02:52,300 --> 00:02:46,500

Buddha okay and we will be expecting

49

00:02:56,780 --> 00:02:55,340

thanks a lot hey Scott mikkil vs bill

50

00:02:58,550 --> 00:02:56,790

Harwood at the Kennedy Space Center

51
00:03:00,800 --> 00:02:58,560
we've been following the progress

52
00:03:02,960 --> 00:03:00,810
misshapen its impact on you guys not so

53
00:03:05,090 --> 00:03:02,970
much from a supply standpoint but how

54
00:03:06,170 --> 00:03:05,100
it's affected the schedule Scott I was

55
00:03:08,870 --> 00:03:06,180
wondering if you've got any updates

56
00:03:10,730 --> 00:03:08,880
about crew rotation or Anton Terry and

57
00:03:16,310 --> 00:03:10,740
Samantha coming home next thurs here is

58
00:03:19,009 --> 00:03:16,320
that still up in the air you know I

59
00:03:21,650 --> 00:03:19,019
think they had a tentative date of next

60
00:03:25,550 --> 00:03:21,660
thursday i haven't heard of any official

61
00:03:26,930 --> 00:03:25,560
announcement I think Russ cosmos Russian

62
00:03:28,699 --> 00:03:26,940
space agency is going to come out with

63
00:03:31,640 --> 00:03:28,709

something here probably pretty soon

64

00:03:33,410 --> 00:03:31,650

maybe maybe today and I think next

65

00:03:35,780 --> 00:03:33,420

tuesday is when we're going to hear

66

00:03:39,050 --> 00:03:35,790

about the the future launches i think

67

00:03:40,430 --> 00:03:39,060

they're planning to announce some launch

68

00:03:42,560 --> 00:03:40,440

dates or i don't know if they'll be

69

00:03:45,440 --> 00:03:42,570

tentative or firm but I think we're

70

00:03:47,000 --> 00:03:45,450

expecting to hear that next Tuesday well

71

00:03:48,380 --> 00:03:47,010

you know however it plays out you guys

72

00:03:50,240 --> 00:03:48,390

are obviously going to be a bit

73

00:03:52,280 --> 00:03:50,250

short-handed there longer than you

74

00:03:55,160 --> 00:03:52,290

originally planned until the next toy

75

00:03:57,710 --> 00:03:55,170

flies what impact if any will that have

76

00:04:02,500 --> 00:03:57,720

on research in general and on the

77

00:04:07,880 --> 00:04:06,259

but we do a lot of research on board the

78

00:04:10,460 --> 00:04:07,890

space station there's a lot of work to

79

00:04:12,949 --> 00:04:10,470

do you know not only the science but

80

00:04:15,949 --> 00:04:12,959

maintaining the the facilities up here

81

00:04:18,469 --> 00:04:15,959

so when you go down from a crew of six

82

00:04:20,060 --> 00:04:18,479

to a crew of three obviously you know

83

00:04:20,750 --> 00:04:20,070

you've lost half of your crew time

84

00:04:23,120 --> 00:04:20,760

available

85

00:04:26,030 --> 00:04:23,130

so it does have an impact but it's an

86

00:04:27,620 --> 00:04:26,040

impact we plan for and you know as you

87

00:04:29,630 --> 00:04:27,630

know we used to have a crew of three

88

00:04:31,760 --> 00:04:29,640

onboard the space station and even at

89

00:04:35,060 --> 00:04:31,770

one time a crew of two people so it's

90

00:04:38,810 --> 00:04:35,070

something we can adjust to and will will

91

00:04:41,810 --> 00:04:38,820

do just that I think the science that is

92

00:04:44,170 --> 00:04:41,820

related to misha and I is a a pretty

93

00:04:47,990 --> 00:04:44,180

high priority but we just finished today

94

00:04:50,120 --> 00:04:48,000

one of the first data takes of this

95

00:04:53,600 --> 00:04:50,130

fluid ships experiment which is a pretty

96

00:04:55,670 --> 00:04:53,610

interesting and an important experiment

97

00:04:57,410 --> 00:04:55,680

where we're in this lower lower body

98

00:04:58,700 --> 00:04:57,420

negative pressure device in the Russian

99

00:05:02,240 --> 00:04:58,710

segment doing a bunch of scans

100

00:05:04,310 --> 00:05:02,250

ultrasounds and stuff and other scans on

101
00:05:06,440 --> 00:05:04,320
our eyes and the vessels in our heads

102
00:05:09,260 --> 00:05:06,450
and we don't have another one of those

103
00:05:10,970 --> 00:05:09,270
until August so you know I think we'll

104
00:05:14,300 --> 00:05:10,980
continue to do science on board but

105
00:05:15,860 --> 00:05:14,310
certainly and at a reduced rate Scott

106
00:05:18,490 --> 00:05:15,870
it's Peter again and you're getting

107
00:05:21,830 --> 00:05:18,500
ready to do some major modifications and

108
00:05:23,420 --> 00:05:21,840
moving around for the new Commercial

109
00:05:25,970 --> 00:05:23,430
Crew vehicles do up there in a couple

110
00:05:27,350 --> 00:05:25,980
years readers digest version what have

111
00:05:32,390 --> 00:05:27,360
you got coming up ahead in the coming

112
00:05:35,810 --> 00:05:32,400
weeks and months well we we just

113
00:05:38,450 --> 00:05:35,820

actually finished moving the pmm which

114

00:05:40,820 --> 00:05:38,460

is a pressurized multi-purpose module

115

00:05:43,040 --> 00:05:40,830

it's what used to be called the MPL em

116

00:05:47,080 --> 00:05:43,050

but it stays onboard the station space

117

00:05:49,610 --> 00:05:47,090

station it's a big closet storage

118

00:05:51,800 --> 00:05:49,620

facility that is very important actually

119

00:05:53,870 --> 00:05:51,810

it really changed their operations up

120

00:05:55,700 --> 00:05:53,880

here from when I was here last time just

121

00:05:57,530 --> 00:05:55,710

having more volume to stow our hardware

122

00:05:59,090 --> 00:05:57,540

it makes things a lot easier but that

123

00:06:01,850 --> 00:05:59,100

was on the bottom of the space station

124

00:06:04,640 --> 00:06:01,860

on the bottom of node 1 and we just

125

00:06:06,320 --> 00:06:04,650

moved it to the front of node 3 so it's

126

00:06:08,180 --> 00:06:06,330

kind of in plane with the rest of the

127

00:06:11,060 --> 00:06:08,190

space station I kind of like it there

128

00:06:12,560 --> 00:06:11,070

it's kind of like you're you know closet

129

00:06:15,080 --> 00:06:12,570

or garage so it's a little bit out of

130

00:06:16,760 --> 00:06:15,090

the way you know I like it a little

131

00:06:18,980 --> 00:06:16,770

better that it's kind of in plane you're

132

00:06:21,020 --> 00:06:18,990

not you know going out of plane when you

133

00:06:23,510 --> 00:06:21,030

get into it although it is upside down

134

00:06:26,780 --> 00:06:23,520

so you have to turn 180 degrees around

135

00:06:29,090 --> 00:06:26,790

so we did that and that opens up a

136

00:06:31,040 --> 00:06:29,100

docking port on the bottom of node 1 so

137

00:06:33,740 --> 00:06:31,050

we can have redundant docking ports for

138

00:06:34,670 --> 00:06:33,750

cargo vehicles so we can have to docking

139

00:06:36,080 --> 00:06:34,680

ports for crude v

140

00:06:38,830 --> 00:06:36,090

and hopefully in the next two years

141

00:06:41,150 --> 00:06:38,840

we're going to we're going to use those

142

00:06:43,010 --> 00:06:41,160

but to have that docking part in node

143

00:06:46,779 --> 00:06:43,020

one we're going to have to rewire the

144

00:06:49,670 --> 00:06:46,789

space station to get it ready to have a

145

00:06:52,700 --> 00:06:49,680

docking port there and we're also moving

146

00:06:55,640 --> 00:06:52,710

some of our our equipment that's in the

147

00:06:57,200 --> 00:06:55,650

lab the that'll be for a galley into

148

00:06:59,330 --> 00:06:57,210

node one so there's a lot of work to be

149

00:07:01,430 --> 00:06:59,340

done in that area too so we are doing

150

00:07:03,409 --> 00:07:01,440

somewhat of a reconfiguration of space

151

00:07:04,820 --> 00:07:03,419

station we did we got some of the work

152

00:07:08,330 --> 00:07:04,830

done already but we still have a lot

153

00:07:10,040 --> 00:07:08,340

more to come this summer yeah it's got

154

00:07:11,689 --> 00:07:10,050

this is bill you know all that reconfig

155

00:07:13,040 --> 00:07:11,699

work and uh you know the docking

156

00:07:14,629 --> 00:07:13,050

adapters you guys are going to install I

157

00:07:16,219 --> 00:07:14,639

guess you're going to move p.m. a3 and

158

00:07:18,200 --> 00:07:16,229

all of that let's all that internal

159

00:07:20,360 --> 00:07:18,210

wiring that all assumes those spacecraft

160

00:07:21,409 --> 00:07:20,370

are going to come up there in 2017 you

161

00:07:23,719 --> 00:07:21,419

know one of the things that struck me

162

00:07:25,400 --> 00:07:23,729

down here is Congress has never fully

163

00:07:27,200 --> 00:07:25,410

funded Commercial Crew and it's looking

164

00:07:29,659 --> 00:07:27,210

like it might not get fully funded this

165

00:07:31,279 --> 00:07:29,669

year I realized it asking an astronaut

166

00:07:33,650 --> 00:07:31,289

in space about politics is always tricky

167

00:07:35,180 --> 00:07:33,660

but what do you say to people about the

168

00:07:40,330 --> 00:07:35,190

Commercial Crew and the importance of

169

00:07:44,480 --> 00:07:42,980

well you know it's really important to

170

00:07:47,659 --> 00:07:44,490

us I think it's really important to our

171

00:07:50,360 --> 00:07:47,669

nation you know we do the best with what

172

00:07:52,460 --> 00:07:50,370

we have and I'm not familiar with you

173

00:07:54,860 --> 00:07:52,470

know the details of our budget but you

174

00:07:57,770 --> 00:07:54,870

know I hope commercial crew gets funded

175

00:08:00,409 --> 00:07:57,780

at a level that we can work with and

176

00:08:03,290 --> 00:08:00,419

keep to our schedule but again I don't

177

00:08:06,020 --> 00:08:03,300

know the details as far as the work that

178

00:08:07,850 --> 00:08:06,030

needs to be conducted I think will press

179

00:08:11,540 --> 00:08:07,860

ahead is if those vehicles will show up

180

00:08:13,520 --> 00:08:11,550

in 2017 as scheduled and you know if

181

00:08:16,310 --> 00:08:13,530

they do get delayed at least the space

182

00:08:18,529 --> 00:08:16,320

station will be prepared for its Peter

183

00:08:21,230 --> 00:08:18,539

again and for both of you you know

184

00:08:23,330 --> 00:08:21,240

you're up there for almost a year you do

185

00:08:25,219 --> 00:08:23,340

the work day in and day out you exercise

186

00:08:26,899 --> 00:08:25,229

hard every day and you do the things to

187

00:08:28,790 --> 00:08:26,909

keep the space station running and

188

00:08:32,000 --> 00:08:28,800

getting you and and get into a routine

189

00:08:40,069 --> 00:08:32,010

what keeps this fresh and new every day

190

00:08:42,380 --> 00:08:40,079

for both of you you know I think anyone

191

00:08:44,120 --> 00:08:42,390

who's in the you know the same building

192

00:08:47,990 --> 00:08:44,130

or the same place for a really long

193

00:08:48,920 --> 00:08:48,000

period of time uh you know some parts of

194

00:08:51,170 --> 00:08:48,930

it become routine

195

00:08:55,070 --> 00:08:51,180

but this is a really big space station

196

00:08:58,040 --> 00:08:55,080

we do a lot of varied various kinds of

197

00:09:00,380 --> 00:08:58,050

work here different kinds of science

198

00:09:02,570 --> 00:09:00,390

experiments we have over 400 different

199

00:09:05,449 --> 00:09:02,580

experiments going on at any one time in

200

00:09:08,000 --> 00:09:05,459

different areas from you know basic kind

201
00:09:10,970 --> 00:09:08,010
of physics or basic science research to

202
00:09:13,190 --> 00:09:10,980
to medical technology that will you know

203
00:09:15,079 --> 00:09:13,200
has and hopefully will benefit more

204
00:09:17,269 --> 00:09:15,089
people on earth we've done a bunch of

205
00:09:19,760 --> 00:09:17,279
experiments with the with the rodents

206
00:09:25,070 --> 00:09:19,770
recently that that is in in kind of that

207
00:09:26,389 --> 00:09:25,080
discipline so the work you know although

208
00:09:29,150 --> 00:09:26,399
you're in the same place the work

209
00:09:30,740 --> 00:09:29,160
doesn't really get routine you know as

210
00:09:32,990 --> 00:09:30,750
an example this week we've done a lot of

211
00:09:35,120 --> 00:09:33,000
human research like I said Misha and I

212
00:09:36,680 --> 00:09:35,130
in the Russian segment using some

213
00:09:40,070 --> 00:09:36,690

hardware that's never been used there

214

00:09:41,870 --> 00:09:40,080

before in this lower body negative

215

00:09:44,360 --> 00:09:41,880

pressure device it's really a

216

00:09:45,650 --> 00:09:44,370

fascinating experiments experiment this

217

00:09:48,740 --> 00:09:45,660

sunday we're going to be doing the

218

00:09:51,610 --> 00:09:48,750

working with the rodents again Terry and

219

00:09:54,170 --> 00:09:51,620

Samantha just finished changing out a

220

00:09:56,930 --> 00:09:54,180

fan pump separator on one of our

221

00:09:58,850 --> 00:09:56,940

spacesuits that needed fixing we have a

222

00:10:03,050 --> 00:09:58,860

lot of packing to do before the Soyuz

223

00:10:05,630 --> 00:10:03,060

goes home recently got rid of SpaceX so

224

00:10:07,250 --> 00:10:05,640

as you can see you know we have a lot of

225

00:10:10,460 --> 00:10:07,260

varied activities so it really doesn't

226

00:10:12,710 --> 00:10:10,470

get routine that's one of the great

227

00:10:15,710 --> 00:10:12,720

things about the being here and working

228

00:10:17,510 --> 00:10:15,720

in this program Scott I wish we had more

229

00:10:19,820 --> 00:10:17,520

time but we're told to wrap it up thank

230

00:10:23,470 --> 00:10:19,830

you both so much and safe mission we

231

00:10:31,790 --> 00:10:25,850

yeah pleasure talking to you Peter and

232

00:10:34,100 --> 00:10:31,800

bill station this is Houston ACR that

233

00:10:36,620 --> 00:10:34,110

concludes the CBS radio network portion

234

00:10:40,400 --> 00:10:36,630

of the event please stand by for a voice

235

00:10:41,630 --> 00:10:40,410

check from ABC News digital a couple of

236

00:10:44,000 --> 00:10:41,640

disturbances rolling right through the

237

00:10:49,090 --> 00:10:44,010

area and even off to the southeast but

238

00:10:53,750 --> 00:10:51,350

bowling right through making an impact

239

00:10:57,170 --> 00:10:53,760

across north eastern or north western

240

00:10:58,670 --> 00:10:57,180

areas of missouri even one that i 80 hey

241

00:11:01,210 --> 00:10:58,680

there this is ABC News digital in New

242

00:11:04,220 --> 00:11:01,220

York kinnear me in just south of lincoln

243

00:11:06,500 --> 00:11:04,230

have you loud and clear hail as well

244

00:11:09,560 --> 00:11:06,510

flooding a concern in hall county in

245

00:11:11,480 --> 00:11:09,570

nebraska some areas are closed due to

246

00:11:13,639 --> 00:11:11,490

the flood okay great stand by that cause

247

00:11:14,990 --> 00:11:13,649

for a couple of accidents unfortunately

248

00:11:17,240 --> 00:11:15,000

now this thing will continue as we

249

00:11:19,760 --> 00:11:17,250

continue throughout the day impacting

250

00:11:31,630 --> 00:11:19,770

iowa all the way back into the 14 from

251

00:11:31,640 --> 00:11:39,070

hello how do you hear me yes

252

00:11:39,080 --> 00:11:43,870

hello space station can you hear me I

253

00:11:43,880 --> 00:11:49,010

have you loud and clear

254

00:11:58,430 --> 00:11:55,790

excellent thank you very nice of bad

255

00:11:59,870 --> 00:11:58,440

blood Riggs friday on abc's 2020 what

256

00:12:04,310 --> 00:11:59,880

would you do if you saw this

257

00:12:06,350 --> 00:12:04,320

irresponsible without risk all hey Kerry

258

00:12:16,700 --> 00:12:06,360

Wayne make you stand up and cheat what

259

00:12:21,030 --> 00:12:19,020

it's been three months into their

260

00:12:23,430 --> 00:12:21,040

glorious ride around planet earth

261

00:12:26,640 --> 00:12:23,440

astronaut scott kelly and russian Kozma

262

00:12:28,710 --> 00:12:26,650

miccail Kornienko selected to spend a

263

00:12:31,320 --> 00:12:28,720

year in space on board the International

264

00:12:33,600 --> 00:12:31,330

Space Station the test saying how far

265

00:12:36,510 --> 00:12:33,610

the human body can go in such an extreme

266

00:12:38,490 --> 00:12:36,520

environment hello I'm Tyra nandez in New

267

00:12:41,250 --> 00:12:38,500

York and now joining us live from the

268

00:12:43,560 --> 00:12:41,260

ISS astronaut scott Kelly and cosmonaut

269

00:12:45,900 --> 00:12:43,570

Mikhail Kornienko good morning to you

270

00:12:47,520 --> 00:12:45,910

both Scott you were both selected as

271

00:12:49,140 --> 00:12:47,530

flight engineers for this expedition

272

00:12:51,330 --> 00:12:49,150

we're going to start with you though how

273

00:12:53,490 --> 00:12:51,340

has it been living and working in space

274

00:12:58,830 --> 00:12:53,500

for the past three months what's the

275

00:13:01,260 --> 00:12:58,840

biggest challenge well I you know the

276

00:13:03,060 --> 00:13:01,270

biggest challenge is you know being in

277

00:13:04,590 --> 00:13:03,070

the same place for for such a long

278

00:13:07,080 --> 00:13:04,600

period of time and having a pretty

279

00:13:09,090 --> 00:13:07,090

pretty heavy work schedule but you know

280

00:13:11,130 --> 00:13:09,100

a lot of people do that and you know we

281

00:13:13,500 --> 00:13:11,140

get to work in this important program

282

00:13:15,630 --> 00:13:13,510

and you know get to live in this

283

00:13:18,090 --> 00:13:15,640

incredible environment with the

284

00:13:21,480 --> 00:13:18,100

microgravity and the views of the earth

285

00:13:24,180 --> 00:13:21,490

we have outside so you know it really is

286

00:13:27,240 --> 00:13:24,190

is a privilege I think we both feel

287

00:13:29,190 --> 00:13:27,250

privileged to be here and do this the

288

00:13:32,550 --> 00:13:29,200

advantage with us is we had both been

289

00:13:34,770 --> 00:13:32,560

here before so it's it's not new and you

290

00:13:36,480 --> 00:13:34,780

know it's something that that we really

291

00:13:38,820 --> 00:13:36,490

enjoy and we look forward to continuing

292

00:13:43,980 --> 00:13:38,830

throughout the next the rest of the year

293

00:13:56,230 --> 00:13:43,990

and next year and Mikhail what are your

294

00:14:03,600 --> 00:13:59,190

no prints tissue a conditional first off

295

00:14:07,560 --> 00:14:03,610

I expect that we will come up with

296

00:14:11,470 --> 00:14:07,570

actual helmet or ability which would go

297

00:14:13,870 --> 00:14:11,480

towards future generation new astronauts

298

00:14:16,150 --> 00:14:13,880

and cosmonauts who will fly to Mars into

299

00:14:19,540 --> 00:14:16,160

the moon and that's what we're trying to

300

00:14:23,829 --> 00:14:19,550

accomplish we are trying to better

301
00:14:27,670 --> 00:14:23,839
understand the specifics the nuances and

302
00:14:30,820 --> 00:14:27,680
subtleties which we have progressed

303
00:14:35,440 --> 00:14:30,830
tremendously a change and we these days

304
00:14:39,730 --> 00:14:35,450
can very thoroughly examine the reaction

305
00:14:41,860 --> 00:14:39,740
of human body to a lengthy spaceflight

306
00:14:44,079 --> 00:14:41,870
no social no problem and that's the

307
00:14:45,760 --> 00:14:44,089
focus of our flight this is not the only

308
00:14:51,010 --> 00:14:45,770
thing we're trying to accomplish but

309
00:14:52,990 --> 00:14:51,020
that's the main thing cosmic I just

310
00:14:55,180 --> 00:14:53,000
mentioned you are performing a lot of

311
00:14:57,220 --> 00:14:55,190
research on the mission but you are also

312
00:14:59,530 --> 00:14:57,230
a living breathing experiment to see how

313
00:15:01,930 --> 00:14:59,540

astronauts might fare on a long trip to

314

00:15:03,460 --> 00:15:01,940

Mars say is it true they're going to

315

00:15:04,990 --> 00:15:03,470

compare you with your twin brother when

316

00:15:10,120 --> 00:15:05,000

you return to Earth to see how the

317

00:15:12,040 --> 00:15:10,130

mission has affected you physically well

318

00:15:14,769 --> 00:15:12,050

like you said there's a lot of research

319

00:15:16,930 --> 00:15:14,779

that goes on board here about 400

320

00:15:18,910 --> 00:15:16,940

different experiments in all different

321

00:15:21,579 --> 00:15:18,920

kinds of disciplines some of our related

322

00:15:24,010 --> 00:15:21,589

to exploration and that's the one year

323

00:15:26,500 --> 00:15:24,020

science that misha and i are doing you

324

00:15:28,240 --> 00:15:26,510

know how does the body adapt for longer

325

00:15:29,949 --> 00:15:28,250

periods of time and and what do we need

326

00:15:34,210 --> 00:15:29,959

to do to protect it so we can go further

327

00:15:36,670 --> 00:15:34,220

from our home planet someday and the

328

00:15:38,530 --> 00:15:36,680

research with my brother is is a small

329

00:15:41,079 --> 00:15:38,540

part of that somewhat related and that's

330

00:15:43,480 --> 00:15:41,089

kind of in the in the genetic realm of

331

00:15:46,090 --> 00:15:43,490

how does this environment affect us on a

332

00:15:49,210 --> 00:15:46,100

genetic scale so they're collecting data

333

00:15:51,220 --> 00:15:49,220

from my brother and samples certain

334

00:15:53,860 --> 00:15:51,230

types of scans cat-scans of different

335

00:15:56,199 --> 00:15:53,870

parts of his body they'll do the same on

336

00:15:59,199 --> 00:15:56,209

me after the flight and we do get

337

00:16:01,870 --> 00:15:59,209

samples up here as well so you know that

338

00:16:04,240 --> 00:16:01,880

twin study is one small part of a much

339

00:16:08,169 --> 00:16:04,250

larger science program we have here on

340

00:16:12,919 --> 00:16:10,849

mikkel there are so many children who

341

00:16:15,710 --> 00:16:12,929

will be tomorrow's astronauts to become

342

00:16:17,389 --> 00:16:15,720

fascinated by what you do by the small

343

00:16:19,549 --> 00:16:17,399

detail so what can you tell us about

344

00:16:46,179 --> 00:16:19,559

daily life in a microgravity environment

345

00:16:49,819 --> 00:16:46,189

what is that like most on Long

346

00:16:53,439 --> 00:16:49,829

Marceline's estate is expedia do inside

347

00:16:56,539 --> 00:16:53,449

a notional station is a huge science lab

348

00:16:59,989 --> 00:16:56,549

robot MZ we are working here for the

349

00:17:06,470 --> 00:16:59,999

benefit of this science we start our day

350

00:17:09,139 --> 00:17:06,480

at 6am we wake up DPC have some

351
00:17:11,539 --> 00:17:09,149
breakfast and we're on a daily planning

352
00:17:15,409 --> 00:17:11,549
conference and after that we start

353
00:17:19,369 --> 00:17:15,419
working and finish everything up by 6pm

354
00:17:21,679 --> 00:17:19,379
and by all means during the day we're

355
00:17:25,039 --> 00:17:21,689
running physical exercises this is

356
00:17:27,980 --> 00:17:25,049
almost a must it's either a velo or

357
00:17:31,100 --> 00:17:27,990
treadmill or a red which turned out to

358
00:17:33,619 --> 00:17:31,110
be outstanding device which helps us out

359
00:17:36,350 --> 00:17:33,629
with the variety of different things

360
00:17:39,080 --> 00:17:36,360
that help us to stay fit we'll simply

361
00:17:42,560 --> 00:17:39,090
perform hygienic procedures and it's

362
00:17:45,320 --> 00:17:42,570
very similar to how we live on the

363
00:17:48,169 --> 00:17:45,330

ground it's a wake up in the morning its

364

00:17:50,749 --> 00:17:48,179

work meals and the other thing we're

365

00:17:57,169 --> 00:17:50,759

lacking is a swimming pool that we don't

366

00:17:58,639 --> 00:17:57,179

have this luxury up on the station well

367

00:18:00,350 --> 00:17:58,649

here it's like living in a swimming pool

368

00:18:02,659 --> 00:18:00,360

so hopefully you don't miss it too much

369

00:18:05,299 --> 00:18:02,669

Scott I hear that you watched the movie

370

00:18:07,369 --> 00:18:05,309

gravity while on the ISS that actually I

371

00:18:09,169 --> 00:18:07,379

wonder if that's true and also made me

372

00:18:10,700 --> 00:18:09,179

think about what you do in your down

373

00:18:13,249 --> 00:18:10,710

time I mean Mikhail just gave us a good

374

00:18:14,480 --> 00:18:13,259

sense of your daily schedule but I mean

375

00:18:16,009 --> 00:18:14,490

did you bring your kindle what

376

00:18:20,150 --> 00:18:16,019

personally did you bring to make this

377

00:18:26,549 --> 00:18:22,560

yeah so we did watch the movie gravity

378

00:18:30,030 --> 00:18:26,559

we recently got a projector HD projector

379

00:18:32,010 --> 00:18:30,040

up here not only for entertainment but

380

00:18:34,560 --> 00:18:32,020

also from some work-related things we

381

00:18:36,780 --> 00:18:34,570

could do the video conferences on it we

382

00:18:38,790 --> 00:18:36,790

can run some software that's important

383

00:18:43,170 --> 00:18:38,800

to planning for spacewalks for instance

384

00:18:45,570 --> 00:18:43,180

but you know I read we have a ipad with

385

00:18:51,120 --> 00:18:45,580

the some software on it you can read

386

00:18:53,730 --> 00:18:51,130

books you we have videos and movies we

387

00:18:56,310 --> 00:18:53,740

can watch on our laptops and on the ipad

388

00:18:58,530 --> 00:18:56,320

so TV shows we exercise we have a phone

389

00:19:02,669 --> 00:18:58,540

we can call people call friends and

390

00:19:04,320 --> 00:19:02,679

family email we actually have internet

391

00:19:06,690 --> 00:19:04,330

connection which is slow it's kind of

392

00:19:08,549 --> 00:19:06,700

like dial-up but it is it does allow us

393

00:19:09,960 --> 00:19:08,559

to do some things and of course you know

394

00:19:13,860 --> 00:19:09,970

you look out the window a lot the earth

395

00:19:15,630 --> 00:19:13,870

is a very beautiful place and it's you

396

00:19:20,700 --> 00:19:15,640

know we spent spend time looking out the

397

00:19:23,669 --> 00:19:20,710

window and taking pictures well I want

398

00:19:25,080 --> 00:19:23,679

to thank you both so much truly cool to

399

00:19:26,730 --> 00:19:25,090

speaking you guys while you're in the

400

00:19:29,460 --> 00:19:26,740

International Space Station Scott Kelly

401

00:19:36,680 --> 00:19:29,470

Mikhail Kornienko onboard the ISS thank