



1
00:00:04,039 --> 00:00:02,810
Columbus control center this is Mission

2
00:00:06,460 --> 00:00:04,049
Control Houston

3
00:00:09,020 --> 00:00:06,470
please call station for a voice check

4
00:00:12,069 --> 00:00:09,030
station this is called CC how do you

5
00:00:19,580 --> 00:00:15,949
over Baffin often yes alarm Stephanie

6
00:00:23,330 --> 00:00:19,590
first easy loud and oily over fasten -

7
00:00:24,790 --> 00:00:23,340
here see ya ISS I hear you loud and

8
00:00:26,990 --> 00:00:24,800
clear

9
00:00:29,840 --> 00:00:27,000
here's the first question

10
00:00:33,020 --> 00:00:29,850
hello her guests just before the end of

11
00:00:38,600 --> 00:00:33,030
your mission do you think that all this

12
00:00:41,510 --> 00:00:38,610
effort has been worth it the effort has

13
00:00:46,940 --> 00:00:41,520

definitely been worth it we're a few

14
00:00:53,810 --> 00:00:46,950
days when we worked from all day long we

15
00:00:57,319 --> 00:00:53,820
had 82 weeks of work hours work and

16
00:01:00,160 --> 00:00:57,329
we've had all kinds of experiments vast

17
00:01:03,470 --> 00:01:00,170
majority were positive and this was

18
00:01:05,509 --> 00:01:03,480
surprising to me because as a scientist

19
00:01:11,380 --> 00:01:05,519
I know experiments don't always turn out

20
00:01:17,359 --> 00:01:11,390
the way you want them and I covered

21
00:01:20,030 --> 00:01:17,369
biology physiological human physics all

22
00:01:22,789 --> 00:01:20,040
of that was included and I look forward

23
00:01:24,800 --> 00:01:22,799
to seeing all the data when I when I

24
00:01:26,870 --> 00:01:24,810
return to Earth because of the impact

25
00:01:44,719 --> 00:01:26,880
that it will have on all the humans on

26

00:01:51,950 --> 00:01:44,729

Earth let's see chunky in your pictures

27

00:01:55,460 --> 00:01:51,960

how has your physiology changed it's a

28

00:01:58,929 --> 00:01:55,470

normal physiological reaction when the

29

00:02:01,940 --> 00:01:58,939

because the all the fluids in your body

30

00:02:03,920 --> 00:02:01,950

redistribute in microgravity and that's

31

00:02:08,359 --> 00:02:03,930

why you have a you have a little bit of

32

00:02:12,080 --> 00:02:08,369

a rounder face track with my weight and

33

00:02:14,800 --> 00:02:12,090

my remained absolutely the same and I do

34

00:02:19,789 --> 00:02:14,810

two and a half

35

00:02:24,559 --> 00:02:19,799

exercise a day and I I noticed that my

36

00:02:27,229 --> 00:02:24,569

my thighs from groan and and other

37

00:02:31,879 --> 00:02:27,239

groups of muscles have increased from

38

00:02:33,920 --> 00:02:31,889

riding my bike and others have smaller

39

00:02:38,720 --> 00:02:33,930

and I'm sure I'll be able to see all of

40

00:02:41,149 --> 00:02:38,730

that when I get back to her but the

41

00:02:49,490 --> 00:02:41,159

effect hasn't been as great as I had

42

00:02:55,190 --> 00:02:49,500

anticipated really you have ten days

43

00:02:59,360 --> 00:02:55,200

left we just heard do you have plans for

44

00:03:04,670 --> 00:02:59,370

your return you have some vacation ahead

45

00:03:06,860 --> 00:03:04,680

of you do you have any plans we haven't

46

00:03:11,030 --> 00:03:06,870

had a free weekend for a long time and

47

00:03:14,449 --> 00:03:11,040

we had had a full program in vehicle

48

00:03:21,080 --> 00:03:14,459

India and all the epa's and all the

49

00:03:24,530 --> 00:03:21,090

vehicles that arrived for SpaceX we had

50

00:03:29,960 --> 00:03:24,540

to load them up within 30 days with all

51
00:03:33,170 --> 00:03:29,970
the data looking forward to Maya forward

52
00:03:36,439 --> 00:03:33,180
to my last free weekend in the space

53
00:03:38,689 --> 00:03:36,449
station I still have to exercise but

54
00:03:42,710 --> 00:03:38,699
I'll have the time to say goodbye to the

55
00:03:45,020 --> 00:03:42,720
ISS I think I'll spend some time

56
00:03:47,149 --> 00:03:45,030
listening to music in the cupula and

57
00:03:50,780 --> 00:03:47,159
just listen to music and look outside

58
00:03:53,080 --> 00:03:50,790
and just absorb the last few moments of

59
00:03:59,050 --> 00:03:53,090
the microgravity

60
00:04:07,789 --> 00:04:03,050
absorber memories and that's that that's

61
00:04:13,399 --> 00:04:07,799
my my plan for these last few three days

62
00:04:15,559 --> 00:04:13,409
so we'll have to see hello and then the

63
00:04:17,899 --> 00:04:15,569

almond outside our most honest on what

64

00:04:19,339 --> 00:04:17,909

did you miss most well during your time

65

00:04:23,300 --> 00:04:19,349

up there and what do you look forward to

66

00:04:26,629 --> 00:04:23,310

most on your return what you miss up

67

00:04:27,560 --> 00:04:26,639

here changes from day to day I think

68

00:04:30,590 --> 00:04:27,570

it's a question

69

00:04:36,530 --> 00:04:30,600

when consequence you confront it with

70

00:04:38,300 --> 00:04:36,540

when I when I watch a movie on on my my

71

00:04:41,060 --> 00:04:38,310

computer and I see someone eating a

72

00:04:45,560 --> 00:04:41,070

pizza or burger and then I have a sudden

73

00:04:49,850 --> 00:04:45,570

tremendous yen and of course I missed my

74

00:04:55,040 --> 00:04:49,860

my friends my family my partner I just

75

00:04:59,060 --> 00:04:55,050

missed the people that I miss up here

76

00:05:01,430 --> 00:04:59,070

and I look forward to seeing and I have

77

00:05:06,550 --> 00:05:01,440

some memories of that when I was in the

78

00:05:13,010 --> 00:05:06,560

Antarctica when I was there I I had this

79

00:05:17,360 --> 00:05:13,020

nature that I miss invited and I I just

80

00:05:23,090 --> 00:05:17,370

have tremendous desire to to go jogging

81

00:05:25,760 --> 00:05:23,100

through the forest and smell the smells

82

00:05:28,280 --> 00:05:25,770

of the forest and and I miss nature and

83

00:05:30,800 --> 00:05:28,290

and it's not it's it reminds me of what

84

00:05:34,610 --> 00:05:30,810

a beautiful planet we have and I look

85

00:05:41,060 --> 00:05:34,620

forward to returning to it because I

86

00:05:53,660 --> 00:05:41,070

will also be sad to leave here and the

87

00:05:55,760 --> 00:05:53,670

camaraderie up here and the ISS how do

88

00:05:57,350 --> 00:05:55,770

you handle this considering you're quite

89

00:06:01,220 --> 00:05:57,360

young that this is probably the

90

00:06:05,870 --> 00:06:01,230

highlight of your career told that

91

00:06:08,870 --> 00:06:05,880

several times already and I've been told

92

00:06:12,250 --> 00:06:08,880

that before I travel to volcanoes and

93

00:06:14,840 --> 00:06:12,260

and then when you return home you think

94

00:06:17,570 --> 00:06:14,850

perhaps this was it I'll never go back

95

00:06:21,110 --> 00:06:17,580

to a place like this what this has

96

00:06:22,520 --> 00:06:21,120

taught me that life is oh it says

97

00:06:24,080 --> 00:06:22,530

something else ready for you and it

98

00:06:26,120 --> 00:06:24,090

doesn't always have to be inspected

99

00:06:29,050 --> 00:06:26,130

spectacular is this traveling to space

100

00:06:31,850 --> 00:06:29,060

it could be all kinds of things on earth

101

00:06:33,740 --> 00:06:31,860

and I'm going through life with open

102

00:06:35,570 --> 00:06:33,750

eyes and I don't think it's going to be

103

00:06:40,610 --> 00:06:35,580

boring from here on and who knows maybe

104

00:06:41,030 --> 00:06:40,620

I'll return to space one day I'm going

105

00:06:44,450 --> 00:06:41,040

to stay in

106

00:06:46,430 --> 00:06:44,460

astronaut core and I look forward to the

107

00:06:56,440 --> 00:06:46,440

future no matter what it has in store

108

00:06:59,380 --> 00:06:56,450

for me if you have another opportunity

109

00:07:01,930 --> 00:06:59,390

another opportunity to travel in space

110

00:07:05,120 --> 00:07:01,940

would you like to go to the Chinese

111

00:07:07,010 --> 00:07:05,130

Space Station that's it's a great

112

00:07:09,200 --> 00:07:07,020

question I'm sure it's a fantastic Space

113

00:07:11,510 --> 00:07:09,210

Station and I would certainly have no

114

00:07:15,860 --> 00:07:11,520

objection to going there but that's not

115

00:07:18,790 --> 00:07:15,870

to me I can't choose for myself where I

116

00:07:23,270 --> 00:07:18,800

go I'm going to be flying on the

117

00:07:29,200 --> 00:07:23,280

auspices of ISA and I'm going to be

118

00:07:31,430 --> 00:07:29,210

travelling travelling European Space

119

00:07:37,580 --> 00:07:31,440

Agency and that's what it's all about

120

00:07:40,540 --> 00:07:37,590

that we expand our space travel it's in

121

00:07:43,130 --> 00:07:40,550

China and we have to make decisions now

122

00:07:48,320 --> 00:07:43,140

we have to decide where manned space

123

00:07:52,370 --> 00:07:48,330

travel will go as a highly technological

124

00:07:54,080 --> 00:07:52,380

country Germany has a lot at stake and

125

00:07:58,940 --> 00:07:54,090

space travel and we don't want to fall

126

00:08:02,390 --> 00:07:58,950

behind it's a good discussion to have

127

00:08:09,390 --> 00:08:02,400

and I'm I'm very curious to see how

128

00:08:15,990 --> 00:08:12,270

a la Alex here's to Oliver he's been

129

00:08:22,409 --> 00:08:16,000

over here hi this is really I'm I'm here

130

00:08:25,980 --> 00:08:22,419

as well how is it up there yeah I don't

131

00:08:31,590 --> 00:08:25,990

need to answer your question because I

132

00:08:34,409 --> 00:08:31,600

know I know you know it you know what

133

00:08:36,360 --> 00:08:34,419

it's like to live in microgravity it's

134

00:08:40,800 --> 00:08:36,370

amazing how a human being can get used

135

00:08:46,380 --> 00:08:40,810

to it everything becomes normal after a

136

00:08:52,530 --> 00:08:46,390

while and I had the experience even

137

00:08:54,180 --> 00:08:52,540

forgot that I was in space you have to

138

00:08:56,910 --> 00:08:54,190

remind yourself by letting something

139

00:09:02,550 --> 00:08:56,920

float yes it's just it's really not that

140

00:09:04,560 --> 00:09:02,560

normal and ya see that allows does you

141

00:09:09,390 --> 00:09:04,570

mention the one passing face into it

142

00:09:10,920 --> 00:09:09,400

shows me that people are quite adaptable

143

00:09:13,769 --> 00:09:10,930

and I don't see a problem

144

00:09:17,430 --> 00:09:13,779

and there's no problem when staying in

145

00:09:20,579 --> 00:09:17,440

space a little bit longer often I do

146

00:09:24,060 --> 00:09:20,589

movie Field Atlanta yeah I stay up here

147

00:09:26,340 --> 00:09:24,070

but just show me how we are adaptable

148

00:09:30,000 --> 00:09:26,350

mention about the fun influencing I'm

149

00:09:35,699 --> 00:09:30,010

sure that we humans are not far from

150

00:09:42,440 --> 00:09:35,709

spending a lot more time in space public

151

00:09:47,370 --> 00:09:44,910

you said that you were returned as a

152

00:09:50,940 --> 00:09:47,380

different person can you confirm that

153

00:09:54,210 --> 00:09:50,950

and are you going to accept invitations

154

00:10:03,780 --> 00:09:54,220

to different discussions I don't think

155

00:10:07,829 --> 00:10:03,790

I'll return a different person my

156

00:10:09,570 --> 00:10:07,839

perspective is what has changed I saw

157

00:10:14,390 --> 00:10:09,580

something that I had never seen before

158

00:10:17,190 --> 00:10:14,400

with my own eyes I think my personality

159

00:10:19,590 --> 00:10:17,200

has not changed of course it's not up to

160

00:10:23,049 --> 00:10:19,600

me to determine that and not to find

161

00:10:30,819 --> 00:10:25,979

what has changed is the most perspective

162

00:10:33,729 --> 00:10:30,829

to see our planet from the outside has

163

00:10:36,219 --> 00:10:33,739

given me a different horizon happy

164

00:10:39,269 --> 00:10:36,229

physics go to skid n so far and I've

165

00:10:42,939 --> 00:10:39,279

tried to capture that as well as I could

166

00:10:45,179 --> 00:10:42,949

with pictures and with my own personal

167

00:10:47,679 --> 00:10:45,189

descriptions from a human perspective

168

00:10:50,379 --> 00:10:47,689

and I look forward to sharing that with

169

00:10:53,879 --> 00:10:50,389

other people complete from the Edit and

170

00:10:58,199 --> 00:10:53,889

looked at I don't think it's removed me

171

00:11:02,259 --> 00:10:58,209

completely from Earth let's not forget

172

00:11:07,509 --> 00:11:02,269

the Divya can this isn't a space is the

173

00:11:10,979 --> 00:11:07,519

greatest lesson that we know of but I

174

00:11:15,429 --> 00:11:10,989

didn't consider the earth indestructible

175

00:11:19,959 --> 00:11:15,439

in million knowing I was Watson needs

176

00:11:24,969 --> 00:11:19,969

compassion and now there are all these

177

00:11:30,579 --> 00:11:24,979

planets out there and it's 99.9 that we

178

00:11:33,249 --> 00:11:30,589

know and we have to we have to keep in

179

00:11:36,129 --> 00:11:33,259

mind that our home is very special and

180

00:11:39,849 --> 00:11:36,139

is very fragile and we should give that

181

00:11:46,329 --> 00:11:39,859

more thought as to how we could protect

182

00:11:48,669 --> 00:11:46,339

it - Felicia Moyse advisor after you

183

00:11:51,519 --> 00:11:48,679

have a completely new perspective of

184

00:11:58,419 --> 00:11:51,529

Earth do you really even want to return

185

00:12:00,519 --> 00:11:58,429

here to us yeah yes yes of course in fun

186

00:12:03,519 --> 00:12:00,529

I couldn't that's the thing about me I

187

00:12:07,269 --> 00:12:03,529

can travel somewhere for three days

188

00:12:10,989 --> 00:12:07,279

three months three weeks or in this case

189

00:12:15,099 --> 00:12:10,999

six months but it's always fun to go

190

00:12:17,709 --> 00:12:15,109

home I never had the urge to to go

191

00:12:20,289 --> 00:12:17,719

somewhere forever I was no signs of

192

00:12:23,679 --> 00:12:20,299

houses but it's stepping outside your

193

00:12:26,729 --> 00:12:23,689

home and looking at your home and

194

00:12:29,169 --> 00:12:26,739

comparing it the outside with your home

195

00:12:31,139 --> 00:12:29,179

and that's what changes you and you come

196

00:12:33,429 --> 00:12:31,149

back knowing more and I come back now

197

00:12:35,229 --> 00:12:33,439

knowing more than I did before and

198

00:12:36,130 --> 00:12:35,239

that's that's a wonderful thing to

199

00:12:38,290 --> 00:12:36,140

recognize

200

00:12:49,079 --> 00:12:38,300

and that's what I want to share with

201
00:12:52,630 --> 00:12:49,089
other people earth was a special place

202
00:12:55,630 --> 00:12:52,640
but would you address the subject of

203
00:12:57,009 --> 00:12:55,640
loneliness in space perhaps I'm the

204
00:13:00,400 --> 00:12:57,019
wrong person to ask

205
00:13:04,720 --> 00:13:00,410
I've never been lonely in space we have

206
00:13:06,910 --> 00:13:04,730
a crew I have a crew five other people a

207
00:13:09,250 --> 00:13:06,920
couple of weeks with just two other

208
00:13:12,509 --> 00:13:09,260
people but we're more like a family up

209
00:13:16,650 --> 00:13:12,519
here and I really realize that up here

210
00:13:20,650 --> 00:13:16,660
and then come to realize how wonderful

211
00:13:23,380 --> 00:13:20,660
divided in the idea that's my fabulous

212
00:13:27,550 --> 00:13:23,390
is how fabulous it is to have this this

213
00:13:33,009 --> 00:13:27,560

crew up here neons leftist boozes vodka

214

00:13:36,850 --> 00:13:33,019

fire our crew has never uttered an angry

215

00:13:39,699 --> 00:13:36,860

word we've just always it's really

216

00:13:44,380 --> 00:13:39,709

incredible how incredibly well it all

217

00:13:52,480 --> 00:13:44,390

went up here type of me it's amazing

218

00:13:54,550 --> 00:13:52,490

that these two people of course my

219

00:13:55,990 --> 00:13:54,560

partner with whom I spent a lot of time

220

00:13:57,970 --> 00:13:56,000

on the phone knows me well but these

221

00:14:04,870 --> 00:13:57,980

other two people up here know me better

222

00:14:08,290 --> 00:14:04,880

than anybody else if you want to be

223

00:14:10,840 --> 00:14:08,300

alone you have to actively seek it I can

224

00:14:14,230 --> 00:14:10,850

go in a module and to be by yourself and

225

00:14:18,519 --> 00:14:14,240

we we do that but that's a normal human

226
00:14:20,470 --> 00:14:18,529
behavior and also when you look outside

227
00:14:23,350 --> 00:14:20,480
and they see the earth beneath you you

228
00:14:28,170 --> 00:14:23,360
don't really feel that far away see

229
00:14:32,400 --> 00:14:28,180
Europe you recognize the contours I

230
00:14:34,990 --> 00:14:32,410
never felt very far away from my home

231
00:14:43,420 --> 00:14:35,000
nation on to the crew medical restraint

232
00:14:45,309 --> 00:14:43,430
system check out you Twitter the other

233
00:14:48,910 --> 00:14:45,319
day tweeted the other day that you were

234
00:14:49,689 --> 00:14:48,920
that Oktoberfest was not going to happen

235
00:14:50,030 --> 00:14:49,699
for you this year

236
00:14:53,470 --> 00:14:50,040
so

237
00:14:55,879 --> 00:14:53,480
but of course we only have T up here

238
00:15:00,079 --> 00:14:55,889

kuma fest of course we don't have

239

00:15:02,660 --> 00:15:00,089

Oktoberfest up here in the ISS I look

240

00:15:05,199 --> 00:15:02,670

forward to that when I return and I look

241

00:15:12,550 --> 00:15:05,209

forward to being my friends and and

242

00:15:19,100 --> 00:15:15,530

different it's it's it feels like a

243

00:15:31,130 --> 00:15:19,110

camping trip up here you with your

244

00:15:39,570 --> 00:15:34,890

I'm sure you heard us the explosion of

245

00:15:40,830 --> 00:15:39,580

the orbital Cygnus 3 when you look at

246

00:15:41,370 --> 00:15:40,840

something like that you think oh my

247

00:15:43,170 --> 00:15:41,380

goodness

248

00:15:48,570 --> 00:15:43,180

that something like that could happen to

249

00:15:52,550 --> 00:15:48,580

me too well we're not suddenly

250

00:15:55,320 --> 00:15:52,560

confronted with these situations up here

251

00:16:00,120 --> 00:15:55,330

these situations are part of our

252

00:16:03,150 --> 00:16:00,130

training if you reach the frontiers of

253

00:16:05,580 --> 00:16:03,160

new technology you you have to to reckon

254

00:16:07,920 --> 00:16:05,590

with something like that it was not a

255

00:16:09,990 --> 00:16:07,930

complete surprise for us of course it

256

00:16:15,690 --> 00:16:10,000

was a great shame for all the work that

257

00:16:18,950 --> 00:16:15,700

was lost but nobody was hurt but the

258

00:16:20,940 --> 00:16:18,960

program plans for for events like that

259

00:16:24,390 --> 00:16:20,950

they know it's over

260

00:16:26,460 --> 00:16:24,400

that's essentially mirakian cannon this

261

00:16:30,210 --> 00:16:26,470

is something that can happen with with

262

00:16:35,010 --> 00:16:30,220

rockets and we were aware of that before

263

00:16:39,870 --> 00:16:35,020

I don't start or before launch yeah we

264

00:16:42,420 --> 00:16:39,880

have a safety an emergency rocket and we

265

00:16:44,610 --> 00:16:42,430

trained for events like that the

266

00:16:47,070 --> 00:16:44,620

greatest part of our training is

267

00:16:50,180 --> 00:16:47,080

emergency training and so that we know

268

00:16:53,190 --> 00:16:50,190

what to do in the case of an emergency

269

00:16:56,100 --> 00:16:53,200

see how we could perhaps survive

270

00:16:59,120 --> 00:16:56,110

something like that and for emergencies

271

00:17:03,450 --> 00:16:59,130

we always have a plan B and a Plan C

272

00:17:18,870 --> 00:17:03,460

it's it's a risk that we're prepared to

273

00:17:21,270 --> 00:17:18,880

take you had some space debris go past

274

00:17:27,560 --> 00:17:21,280

the ISS the other day did you notice

275

00:17:32,790 --> 00:17:27,570

that or are we talking about our debris

276
00:17:35,790 --> 00:17:32,800
avoidance maneuver but the ISS basically

277
00:17:38,490 --> 00:17:35,800
took care of it by itself we were

278
00:17:49,050 --> 00:17:44,370
Mission Control but the chances were so

279
00:17:57,660 --> 00:17:54,330
I hope the help of 80 the ISS maneuvered

280
00:18:00,270 --> 00:17:57,670
itself into a different orbit by turning

281
00:18:03,330 --> 00:18:00,280
on different engines and maneuvering out

282
00:18:09,470 --> 00:18:03,340
of the way was never really a terribly

283
00:18:20,400 --> 00:18:12,690
completely unaware of it because it was

284
00:18:23,720 --> 00:18:20,410
taken care of automatically dr by

285
00:18:28,890 --> 00:18:23,730
topside they're sweet do you have any

286
00:18:32,340 --> 00:18:28,900
advice for Samantha I already gave her

287
00:18:34,560 --> 00:18:32,350
one piece of advice of course she's in

288
00:18:41,000 --> 00:18:34,570

the position where I was two years ago

289

00:18:47,160 --> 00:18:43,650

it's almost like studying at school for

290

00:18:50,550 --> 00:18:47,170

the abbé choice and I told her I know

291

00:18:53,760 --> 00:18:50,560

you're you're ready and I was in the

292

00:18:56,700 --> 00:18:53,770

same situation and I I thought I had to

293

00:18:59,520 --> 00:18:56,710

refresh everything in my memory but in

294

00:19:01,920 --> 00:18:59,530

the end I realized we are completely

295

00:19:03,600 --> 00:19:01,930

prepared and our training is very good

296

00:19:09,090 --> 00:19:03,610

and it's quite sufficient to get us

297

00:19:14,580 --> 00:19:09,100

ready told her to take a weekend off

298

00:19:16,500 --> 00:19:14,590

with her family and she did that and we

299

00:19:21,590 --> 00:19:16,510

talked on the phone sometimes and she's

300

00:19:28,920 --> 00:19:23,640

installed some things for here in the

301
00:19:32,670 --> 00:19:28,930
Columbus laboratory vital of and we have

302
00:19:34,800 --> 00:19:32,680
about 40 experiments that well that

303
00:19:37,680 --> 00:19:34,810
Samantha will continue up there of

304
00:19:41,070 --> 00:19:37,690
course I'm a little bit jealous because

305
00:19:45,060 --> 00:19:41,080
she'll get to do experiments I didn't do

306
00:19:49,390 --> 00:19:45,070
but I'm very proud of it's hard to avoid

307
00:19:51,280 --> 00:19:49,400
City Electric magnetic levitator

308
00:19:52,900 --> 00:19:51,290
and boiled snot and if they can you

309
00:19:55,630 --> 00:19:52,910
believe missing this and we had a bolt

310
00:19:57,730 --> 00:19:55,640
that got stuck and we were able to solve

311
00:20:00,640 --> 00:19:57,740
the problem in the MacGyver with the

312
00:20:03,820 --> 00:20:00,650
help of Mission Control we we sawed off

313
00:20:06,820 --> 00:20:03,830

the bolt and it was a really fantastic

314

00:20:10,299 --> 00:20:06,830

situation to troubleshoot like that up

315

00:20:20,400 --> 00:20:10,309

here and I'm sure man Samantha will have

316

00:20:25,690 --> 00:20:20,410

a great time up here as well thank you

317

00:20:29,680 --> 00:20:25,700

all the best see each other soon on

318

00:20:32,140 --> 00:20:29,690

earth greetings from the ISS station