



1  
00:00:05,990 --> 00:00:02,950  
station this is houston are you ready

2  
00:00:06,000 --> 00:00:09,830  
we are ready for the event

3  
00:00:16,550 --> 00:00:12,870  
msnbc this is mission control houston

4  
00:00:17,269 --> 00:00:16,560  
please call station for a voice check

5  
00:00:19,269 --> 00:00:17,279  
hi

6  
00:00:23,269 --> 00:00:19,279  
uh i'm here do you want me to count to

7  
00:00:27,750 --> 00:00:25,670  
nope that is just fine we can hear you

8  
00:00:29,750 --> 00:00:27,760  
loud and clear

9  
00:00:36,549 --> 00:00:29,760  
hello commander kelly and flight

10  
00:00:41,830 --> 00:00:38,389  
thank you so much for for taking the

11  
00:00:46,549 --> 00:00:44,229  
i'm going to let let's start off by why

12  
00:00:49,350 --> 00:00:46,559  
don't you uh commander kelly you've been

13  
00:00:51,189 --> 00:00:49,360

in space for hundreds of days uh what

14

00:00:52,869 --> 00:00:51,199

what do you miss most about most about

15

00:00:58,229 --> 00:00:52,879

life on earth and and what are you

16

00:01:04,390 --> 00:01:01,270

so well we've been in space now for uh

17

00:01:06,630 --> 00:01:04,400

over 230 days i think not that i'm

18

00:01:07,670 --> 00:01:06,640

counting but uh i'm not counting that

19

00:01:09,750 --> 00:01:07,680

closely

20

00:01:11,910 --> 00:01:09,760

um as far as the things i

21

00:01:14,230 --> 00:01:11,920

miss on earth

22

00:01:16,550 --> 00:01:14,240

certainly you know the human contact

23

00:01:19,510 --> 00:01:16,560

your friends your family

24

00:01:21,830 --> 00:01:19,520

people that are important to me and i'm

25

00:01:23,429 --> 00:01:21,840

probably speaking for misha as well it's

26

00:01:25,830 --> 00:01:23,439

very important to him

27

00:01:27,590 --> 00:01:25,840

i also miss the ability to go outside

28

00:01:28,870 --> 00:01:27,600

the weather you know the sun on your

29

00:01:32,149 --> 00:01:28,880

face the

30

00:01:33,830 --> 00:01:32,159

breeze the uh you know the things that

31

00:01:36,230 --> 00:01:33,840

you know earth has to offer in that

32

00:01:39,350 --> 00:01:36,240

regards that we don't have up here being

33

00:01:41,670 --> 00:01:39,360

uh you know in this very

34

00:01:44,389 --> 00:01:41,680

contained and controlled environment for

35

00:01:46,630 --> 00:01:44,399

a long period of time

36

00:01:48,389 --> 00:01:46,640

and commander kelly uh

37

00:01:52,469 --> 00:01:48,399

what's it like to spend so much time in

38

00:01:54,630 --> 00:01:52,479

space you know uh in terms of the

39

00:01:56,789 --> 00:01:54,640

psychological effects the

40

00:02:01,270 --> 00:01:56,799

physical effects if you can sort of

41

00:02:05,510 --> 00:02:04,069

well spending a lot of time in space

42

00:02:07,910 --> 00:02:05,520

whether it's

43

00:02:09,589 --> 00:02:07,920

you know six months which is our normal

44

00:02:12,630 --> 00:02:09,599

mission duration

45

00:02:14,790 --> 00:02:12,640

or a year is not really an easy thing to

46

00:02:16,309 --> 00:02:14,800

do um

47

00:02:19,990 --> 00:02:16,319

you know although the space station is

48

00:02:22,229 --> 00:02:20,000

pretty big uh we can never leave it's uh

49

00:02:23,830 --> 00:02:22,239

yeah we go out on spacewalks but you

50

00:02:26,070 --> 00:02:23,840

know occasionally and you know in the

51  
00:02:29,030 --> 00:02:26,080  
course of the year i'm here i may you

52  
00:02:29,990 --> 00:02:29,040  
know i've done two that might be it

53  
00:02:31,910 --> 00:02:30,000  
um

54  
00:02:33,830 --> 00:02:31,920  
but that's really getting into a smaller

55  
00:02:36,550 --> 00:02:33,840  
spaceship than the one you're currently

56  
00:02:39,190 --> 00:02:36,560  
in so it's uh you know it's a in

57  
00:02:42,070 --> 00:02:39,200  
a enclosed environment

58  
00:02:44,470 --> 00:02:42,080  
um you're always at work so even though

59  
00:02:46,070 --> 00:02:44,480  
you do have some down time when you

60  
00:02:48,630 --> 00:02:46,080  
when you go to sleep at night you're

61  
00:02:50,150 --> 00:02:48,640  
still at your place of employment and

62  
00:02:51,830 --> 00:02:50,160  
when you wake up in the morning you're

63  
00:02:54,630 --> 00:02:51,840

right there so

64

00:02:57,830 --> 00:02:54,640

um you know the environment

65

00:03:00,470 --> 00:02:57,840

and the pace of our work is uh

66

00:03:01,750 --> 00:03:00,480

is not easy but it's obviously you know

67

00:03:03,430 --> 00:03:01,760

something that

68

00:03:07,030 --> 00:03:03,440

you know at least i feel privileged to

69

00:03:08,630 --> 00:03:07,040

do i i enjoy the challenge of it but uh

70

00:03:11,030 --> 00:03:08,640

you know it's not a it's not an easy

71

00:03:13,110 --> 00:03:11,040

environment to live in

72

00:03:14,790 --> 00:03:13,120

and flight engineer cornyaco if i could

73

00:03:16,710 --> 00:03:14,800

ask you uh what what do you miss most

74

00:03:24,869 --> 00:03:16,720

about life on earth and and what's it

75

00:03:24,879 --> 00:03:45,190

of course

76

00:03:50,229 --> 00:03:47,589

and colleague scott said

77

00:03:51,830 --> 00:03:50,239

the main thing is to do our job well and

78

00:03:54,630 --> 00:03:51,840

we can do it

79

00:03:58,949 --> 00:03:54,640

because our crew members our friends and

80

00:04:02,949 --> 00:04:01,190

uh commander kelly i've been sort of

81

00:04:05,509 --> 00:04:02,959

monitoring your your twitter feed and

82

00:04:06,470 --> 00:04:05,519

your instagram page which is really uh

83

00:04:08,869 --> 00:04:06,480

just

84

00:04:11,589 --> 00:04:08,879

beautiful stunning photos

85

00:04:14,949 --> 00:04:11,599

uh from space and

86

00:04:15,990 --> 00:04:14,959

are there a particular series of photos

87

00:04:18,789 --> 00:04:16,000

or

88

00:04:20,550 --> 00:04:18,799

uh cities that you've captured during

89

00:04:22,790 --> 00:04:20,560

this mission that

90

00:04:24,550 --> 00:04:22,800

really struck you or are you seeing

91

00:04:30,629 --> 00:04:24,560

things from space that you haven't seen

92

00:04:34,950 --> 00:04:32,870

so being up here for a long time really

93

00:04:37,189 --> 00:04:34,960

gives you a uh you know an opportunity

94

00:04:40,310 --> 00:04:37,199

to look at the earth

95

00:04:43,670 --> 00:04:40,320

which is a very beautiful place

96

00:04:45,670 --> 00:04:43,680

of course um you know there are certain

97

00:04:47,670 --> 00:04:45,680

parts of it that

98

00:04:51,510 --> 00:04:47,680

you know at least from this perspective

99

00:04:52,629 --> 00:04:51,520

are more striking than others um

100

00:04:54,870 --> 00:04:52,639

which

101  
00:04:57,030 --> 00:04:54,880  
you know is interesting that for

102  
00:05:00,230 --> 00:04:57,040  
instance the deserts are you know

103  
00:05:02,469 --> 00:05:00,240  
incredibly uh beautiful and uh whether

104  
00:05:04,230 --> 00:05:02,479  
it's in africa or australia or even you

105  
00:05:06,390 --> 00:05:04,240  
know certain parts of asia

106  
00:05:08,469 --> 00:05:06,400  
um and then the you know the blue water

107  
00:05:11,990 --> 00:05:08,479  
of the bahamas for instance is uh you

108  
00:05:14,870 --> 00:05:12,000  
know quite striking

109  
00:05:18,310 --> 00:05:14,880  
in color but also in how large it of an

110  
00:05:21,189 --> 00:05:18,320  
area it is that is that uh that blue

111  
00:05:23,350 --> 00:05:21,199  
um but then the other things that you

112  
00:05:25,189 --> 00:05:23,360  
notice when you look out at the earth is

113  
00:05:30,230 --> 00:05:25,199

how

114

00:05:33,110 --> 00:05:30,240

atmosphere looks um

115

00:05:35,590 --> 00:05:33,120

you notice in certain parts of the world

116

00:05:37,270 --> 00:05:35,600

how a lot of the cities are

117

00:05:39,990 --> 00:05:37,280

are obscured by

118

00:05:42,469 --> 00:05:40,000

you know almost constant

119

00:05:45,110 --> 00:05:42,479

constant pollution we see uh you know we

120

00:05:46,390 --> 00:05:45,120

see weather systems um extremes of

121

00:05:48,629 --> 00:05:46,400

weather that

122

00:05:49,430 --> 00:05:48,639

you know are occurring uh in places that

123

00:05:51,350 --> 00:05:49,440

they're

124

00:05:54,230 --> 00:05:51,360

not you normally don't see them i saw

125

00:05:56,390 --> 00:05:54,240

this i took some pictures of a

126

00:05:59,430 --> 00:05:56,400

tropical cyclone that was off the coast

127

00:06:02,870 --> 00:05:59,440

of oman in the middle east recently

128

00:06:05,270 --> 00:06:02,880

which is almost unheard of to have such

129

00:06:07,270 --> 00:06:05,280

a large tropical storm

130

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

in that area so

131

00:06:10,870 --> 00:06:09,120

you know the earth is uh

132

00:06:13,990 --> 00:06:10,880

very beautiful to look at from here but

133

00:06:15,830 --> 00:06:14,000

they're also see you also you know

134

00:06:17,430 --> 00:06:15,840

have the uh

135

00:06:19,430 --> 00:06:17,440

you know the window on the world so to

136

00:06:21,909 --> 00:06:19,440

speak to see certain things that are a

137

00:06:22,870 --> 00:06:21,919

little bit alarming

138

00:06:25,590 --> 00:06:22,880

so

139

00:06:28,390 --> 00:06:25,600

uh speaking to that um have you

140

00:06:30,550 --> 00:06:28,400

been able to sort of see firsthand like

141

00:06:33,270 --> 00:06:30,560

can you see climate change happening

142

00:06:35,830 --> 00:06:33,280

from from your point of view based on

143

00:06:38,070 --> 00:06:35,840

your previous missions can you see parts

144

00:06:38,790 --> 00:06:38,080

of the earth that have changed and

145

00:06:40,150 --> 00:06:38,800

and

146

00:06:47,430 --> 00:06:40,160

yeah what goes through your mind when

147

00:06:50,230 --> 00:06:49,270

um

148

00:06:53,270 --> 00:06:50,240

so

149

00:06:55,350 --> 00:06:53,280

you know i don't know if we notice

150

00:06:57,990 --> 00:06:55,360

you know climate change i think in the

151  
00:06:59,510 --> 00:06:58,000  
way you're thinking of it like you know

152  
00:07:01,430 --> 00:06:59,520  
uh

153  
00:07:03,270 --> 00:07:01,440  
you know temperature obviously we can't

154  
00:07:04,230 --> 00:07:03,280  
see the you know a temperature rise here

155  
00:07:08,150 --> 00:07:04,240  
we can

156  
00:07:09,749 --> 00:07:08,160  
see the sea levels um you know rising

157  
00:07:12,870 --> 00:07:09,759  
um

158  
00:07:14,629 --> 00:07:12,880  
i did notice one one time which was

159  
00:07:16,710 --> 00:07:14,639  
actually in the in the middle of the

160  
00:07:19,909 --> 00:07:16,720  
winter

161  
00:07:21,350 --> 00:07:19,919  
i saw an iceberg that was you know

162  
00:07:23,110 --> 00:07:21,360  
floating

163  
00:07:25,510 --> 00:07:23,120

and i could see it with my naked eye

164

00:07:27,670 --> 00:07:25,520

which meant it was pretty large which i

165

00:07:29,350 --> 00:07:27,680

thought was probably in a place that was

166

00:07:30,870 --> 00:07:29,360

sort of unexpected especially in the

167

00:07:32,469 --> 00:07:30,880

southern hemisphere

168

00:07:34,390 --> 00:07:32,479

in the uh you know in the winter in the

169

00:07:35,990 --> 00:07:34,400

southern hemisphere our summer in the in

170

00:07:37,029 --> 00:07:36,000

the northern hemisphere

171

00:07:39,430 --> 00:07:37,039

um

172

00:07:40,230 --> 00:07:39,440

but like i said you do see things like

173

00:07:42,629 --> 00:07:40,240

uh

174

00:07:44,629 --> 00:07:42,639

you know pollution where

175

00:07:46,550 --> 00:07:44,639

uh you know it's almost constantly

176

00:07:48,790 --> 00:07:46,560

obscuring you know certain parts of the

177

00:07:51,830 --> 00:07:48,800

world you see uh

178

00:07:54,070 --> 00:07:51,840

like i said you know some storms where

179

00:07:55,670 --> 00:07:54,080

you wouldn't expect them you know fires

180

00:07:57,749 --> 00:07:55,680

in the us

181

00:07:59,990 --> 00:07:57,759

you know all summer you know you know

182

00:08:01,430 --> 00:08:00,000

like you know the whole western part of

183

00:08:03,270 --> 00:08:01,440

the united states you could see the

184

00:08:05,909 --> 00:08:03,280

obscuration due to the

185

00:08:07,189 --> 00:08:05,919

the smoke that was almost uh constant

186

00:08:08,390 --> 00:08:07,199

and uh

187

00:08:11,029 --> 00:08:08,400

so i think

188

00:08:14,309 --> 00:08:11,039

we noticed the you know the effects of

189

00:08:16,070 --> 00:08:14,319

of of our impact on the climate but i'm

190

00:08:17,430 --> 00:08:16,080

not sure if we could say

191

00:08:21,510 --> 00:08:17,440

you know it's climate change like the

192

00:08:25,909 --> 00:08:23,670

and what would you want people on earth

193

00:08:28,309 --> 00:08:25,919

to know about this mission and what

194

00:08:30,550 --> 00:08:28,319

you've discovered what's what's the one

195

00:08:32,870 --> 00:08:30,560

sort of headline takeaway of what you've

196

00:08:39,029 --> 00:08:32,880

learned while while

197

00:08:42,149 --> 00:08:40,550

so you know we're always learning a lot

198

00:08:45,590 --> 00:08:42,159

up here we've been flying the space

199

00:08:47,670 --> 00:08:45,600

station now for for 15 years we do an

200

00:08:49,670 --> 00:08:47,680

incredible amount of science over 400

201  
00:08:51,910 --> 00:08:49,680  
different science experiments

202  
00:08:53,110 --> 00:08:51,920  
over the course of the year that i'll be

203  
00:08:56,470 --> 00:08:53,120  
here in

204  
00:08:57,910 --> 00:08:56,480  
in all different uh you know scientific

205  
00:09:01,190 --> 00:08:57,920  
disciplines

206  
00:09:04,389 --> 00:09:01,200  
um as far as our mission

207  
00:09:07,110 --> 00:09:04,399  
um and the science related to it

208  
00:09:10,230 --> 00:09:07,120  
you know we're still that's ongoing and

209  
00:09:12,150 --> 00:09:10,240  
the data will be analyzed uh

210  
00:09:14,310 --> 00:09:12,160  
you know even after we get back we still

211  
00:09:15,829 --> 00:09:14,320  
have data collection to do on the ground

212  
00:09:18,790 --> 00:09:15,839  
and

213  
00:09:20,710 --> 00:09:18,800

you know i'm sure we will learn a lot

214

00:09:23,750 --> 00:09:20,720

a lot more than we currently know about

215

00:09:25,509 --> 00:09:23,760

the effects on the human body and the

216

00:09:27,750 --> 00:09:25,519

our ability to

217

00:09:30,310 --> 00:09:27,760

you know mitigate those effects for

218

00:09:33,269 --> 00:09:30,320

future long duration flight but i think

219

00:09:34,630 --> 00:09:33,279

you know the one thing i already know

220

00:09:36,310 --> 00:09:34,640

and uh

221

00:09:38,550 --> 00:09:36,320

you know being up here for this length

222

00:09:40,389 --> 00:09:38,560

of time has has uh

223

00:09:43,670 --> 00:09:40,399

you know made that even more obvious to

224

00:09:44,790 --> 00:09:43,680

me is that our capability

225

00:09:47,509 --> 00:09:44,800

to

226

00:09:49,110 --> 00:09:47,519

live and operate in space for long

227

00:09:51,509 --> 00:09:49,120

periods of time

228

00:09:53,509 --> 00:09:51,519

and you know do that with the uh you

229

00:09:55,350 --> 00:09:53,519

know the amount of rigor and you know

230

00:09:57,829 --> 00:09:55,360

attention to detail

231

00:09:59,190 --> 00:09:57,839

will uh allow us to go to mars someday

232

00:10:01,110 --> 00:09:59,200

and that's something that we we're still

233

00:10:03,030 --> 00:10:01,120

learning but uh you know we have a

234

00:10:06,069 --> 00:10:03,040

really great uh

235

00:10:07,910 --> 00:10:06,079

um you know head start by having this

236

00:10:10,230 --> 00:10:07,920

foothold in low earth orbit that will

237

00:10:12,150 --> 00:10:10,240

eventually be you know a large part of

238

00:10:13,910 --> 00:10:12,160

why we are successful someday going to

239

00:10:15,430 --> 00:10:13,920

mars

240

00:10:17,269 --> 00:10:15,440

commander kelly and flight engineer

241

00:10:18,870 --> 00:10:17,279

cornyaco thank you so much for your time

242

00:10:21,110 --> 00:10:18,880

i really appreciate it

243

00:10:26,389 --> 00:10:21,120

good luck

244

00:10:31,670 --> 00:10:28,310

station this is houston acr that

245

00:10:33,509 --> 00:10:31,680

concludes the msnbc portion of the event

246

00:10:38,230 --> 00:10:33,519

please stand by for a voice check from

247

00:10:43,430 --> 00:10:40,550

station this is aol.com how do you hear

248

00:10:49,590 --> 00:10:45,430

we hear you loud and clear

249

00:10:54,230 --> 00:10:52,550

hello i'm alicia an editor for aol.com

250

00:10:56,550 --> 00:10:54,240

thank you so much for taking a break out

251  
00:10:59,350 --> 00:10:56,560  
of your very busy day to speak with us

252  
00:11:01,190 --> 00:10:59,360  
for our users joining us live on aol.com

253  
00:11:03,750 --> 00:11:01,200  
commander scott kelly and flight

254  
00:11:05,910 --> 00:11:03,760  
engineer mikayla konienko are speaking

255  
00:11:07,350 --> 00:11:05,920  
to us live from the international space

256  
00:11:08,870 --> 00:11:07,360  
station where they've been working for

257  
00:11:11,110 --> 00:11:08,880  
almost eight months as part of the

258  
00:11:12,790 --> 00:11:11,120  
groundbreaking one-year mission

259  
00:11:18,949 --> 00:11:12,800  
scott can you tell us where the space

260  
00:11:26,829 --> 00:11:22,710  
i can look at our map here let me see

261  
00:11:32,230 --> 00:11:30,470  
um it's hard to tell we are in the uh

262  
00:11:34,389 --> 00:11:32,240  
southern hemisphere

263  
00:11:36,949 --> 00:11:34,399

going along the uh

264

00:11:40,069 --> 00:11:36,959

west coast of south america

265

00:11:45,990 --> 00:11:40,079

headed headed uh headed south so kind of

266

00:11:50,470 --> 00:11:48,310

scott mikhail you're both part of nasa's

267

00:11:52,389 --> 00:11:50,480

one year mission collecting tons of data

268

00:11:55,269 --> 00:11:52,399

on how living in space for prolonged

269

00:11:57,990 --> 00:11:55,279

periods impacts the human mind and body

270

00:11:59,670 --> 00:11:58,000

what changes have you noticed after 234

271

00:12:16,710 --> 00:11:59,680

days is there anything that you didn't

272

00:12:22,790 --> 00:12:19,190

so a lot of the science we do uh

273

00:12:25,269 --> 00:12:22,800

involves data collection that

274

00:12:27,910 --> 00:12:25,279

you know uses imaging technology

275

00:12:30,470 --> 00:12:27,920

ultrasound um

276

00:12:33,430 --> 00:12:30,480

other types of uh

277

00:12:35,030 --> 00:12:33,440

uh types of uh scientific scientific

278

00:12:38,710 --> 00:12:35,040

instruments that look at our

279

00:12:41,430 --> 00:12:38,720

our eyes uh once we get home we'll have

280

00:12:44,389 --> 00:12:41,440

mrisc and cat scans

281

00:12:48,069 --> 00:12:44,399

on various parts of our body

282

00:12:51,670 --> 00:12:48,079

places that measure bone density

283

00:12:54,710 --> 00:12:51,680

so as far as noticing like how much

284

00:12:55,990 --> 00:12:54,720

you know bone i may have lost or

285

00:12:58,230 --> 00:12:56,000

uh

286

00:13:00,150 --> 00:12:58,240

you know effect on like muscle mass for

287

00:13:01,350 --> 00:13:00,160

instance the effects of radiation that's

288

00:13:03,190 --> 00:13:01,360

not something that we would actually

289

00:13:05,030 --> 00:13:03,200

notice while we're here but we would

290

00:13:06,790 --> 00:13:05,040

learn about when we get get home and

291

00:13:08,389 --> 00:13:06,800

that's understood

292

00:13:09,670 --> 00:13:08,399

as far as my vision

293

00:13:14,069 --> 00:13:09,680

you know

294

00:13:16,710 --> 00:13:14,079

changes last time and

295

00:13:19,590 --> 00:13:16,720

i would probably expect that they would

296

00:13:21,829 --> 00:13:19,600

be a you know a similar effect which

297

00:13:23,829 --> 00:13:21,839

is pretty good considering i will have

298

00:13:26,949 --> 00:13:23,839

been up here you know more than twice as

299

00:13:30,710 --> 00:13:28,310

you know the other thing i've i've

300

00:13:33,110 --> 00:13:30,720

learned or i've noticed is that a year

301  
00:13:35,030 --> 00:13:33,120  
is a really long time we've been up here

302  
00:13:37,030 --> 00:13:35,040  
almost eight months now and i you know

303  
00:13:39,189 --> 00:13:37,040  
not speaking for misha but for me i feel

304  
00:13:41,110 --> 00:13:39,199  
like i've lived my whole life up here

305  
00:13:43,829 --> 00:13:41,120  
and still uh you know we still have more

306  
00:13:46,389 --> 00:13:43,839  
than three months ahead of us so

307  
00:13:48,629 --> 00:13:46,399  
um but you know at the same time we're

308  
00:13:50,150 --> 00:13:48,639  
still able to do our work and

309  
00:13:52,949 --> 00:13:50,160  
do it with enough

310  
00:13:55,269 --> 00:13:52,959  
enthusiasm and energy to to

311  
00:13:56,870 --> 00:13:55,279  
to get the job done so i guess that's

312  
00:14:06,069 --> 00:13:56,880  
something i've learned a little bit

313  
00:14:10,790 --> 00:14:09,509

of course there are changes in the body

314

00:14:13,470 --> 00:14:10,800

for example related to the

315

00:14:15,269 --> 00:14:13,480

musculoskeletal system and we are

316

00:14:19,189 --> 00:14:15,279

counteracting this

317

00:14:20,470 --> 00:14:19,199

by doing physical exercises we have

318

00:14:22,069 --> 00:14:20,480

a good gym

319

00:14:27,670 --> 00:14:22,079

on the station

320

00:14:32,710 --> 00:14:30,949

i have a better near vision i'm not sure

321

00:14:34,550 --> 00:14:32,720

what's the reason for that

322

00:14:39,750 --> 00:14:34,560

the scientists will tell me later thank

323

00:14:43,590 --> 00:14:41,430

so what's the coolest thing each of you

324

00:14:49,509 --> 00:14:43,600

can do in a microgravity environment and

325

00:14:52,710 --> 00:14:50,949

i don't know if it's cool but we can

326

00:14:56,629 --> 00:14:52,720

flip around pretty good after being up

327

00:14:58,710 --> 00:14:56,639

here for so long with like no no hands

328

00:15:01,110 --> 00:14:58,720

i could fly around really fast if i want

329

00:15:02,069 --> 00:15:01,120

to but that's that's uh

330

00:15:04,310 --> 00:15:02,079

you know

331

00:15:05,910 --> 00:15:04,320

this can be somewhat dangerous

332

00:15:07,910 --> 00:15:05,920

here goes one of our crew members shell

333

00:15:10,629 --> 00:15:07,920

ingram just flying through the

334

00:15:12,870 --> 00:15:10,639

scene doing some work so

335

00:15:14,629 --> 00:15:12,880

you know on one hand it's uh you know

336

00:15:16,069 --> 00:15:14,639

it's fun to float around

337

00:15:17,670 --> 00:15:16,079

and uh

338

00:15:20,150 --> 00:15:17,680

but on the other hand it makes most of

339

00:15:21,990 --> 00:15:20,160

the stuff you do a lot harder um you

340

00:15:23,269 --> 00:15:22,000

know work wise you have to keep track of

341

00:15:24,790 --> 00:15:23,279

everything and

342

00:15:26,710 --> 00:15:24,800

uh but if you wanted to move something

343

00:15:31,189 --> 00:15:26,720

that was very heavy it'd be a lot easier

344

00:15:35,509 --> 00:15:33,030

okay and we have a question from twitter

345

00:15:42,150 --> 00:15:35,519

for both of you how do you stay mentally

346

00:15:49,910 --> 00:15:46,870

yeah you know i i'm not sure um i think

347

00:15:51,590 --> 00:15:49,920

nasa and the other our partner agencies

348

00:15:53,749 --> 00:15:51,600

have a pretty good

349

00:15:54,550 --> 00:15:53,759

selection process

350

00:15:55,509 --> 00:15:54,560

for

351

00:15:57,269 --> 00:15:55,519

uh

352

00:15:59,350 --> 00:15:57,279

you know deciding like who they're going

353

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

to send up here as as astronauts and

354

00:16:04,069 --> 00:16:01,120

cosmonauts

355

00:16:05,670 --> 00:16:04,079

we also do some training in in

356

00:16:08,550 --> 00:16:05,680

you know

357

00:16:10,310 --> 00:16:08,560

team living teamwork leadership

358

00:16:13,189 --> 00:16:10,320

followership those kind of things that

359

00:16:15,749 --> 00:16:13,199

are are critical you know skills to have

360

00:16:17,829 --> 00:16:15,759

for operating effectively

361

00:16:19,590 --> 00:16:17,839

in uh you know in such a challenging

362

00:16:20,710 --> 00:16:19,600

environment so

363

00:16:22,870 --> 00:16:20,720

i think

364

00:16:25,829 --> 00:16:22,880

for most of us anyway when we get here

365

00:16:28,790 --> 00:16:25,839

we're pretty well prepared for

366

00:16:30,870 --> 00:16:28,800

um you know staying mentally strong uh

367

00:16:31,749 --> 00:16:30,880

during this type of mission

368

00:16:34,310 --> 00:16:31,759

um

369

00:16:37,829 --> 00:16:34,320

but you know occasionally you might get

370

00:16:39,670 --> 00:16:37,839

i don't know a little bit uh

371

00:16:41,350 --> 00:16:39,680

i i wouldn't say depressed but you know

372

00:16:43,590 --> 00:16:41,360

you know you might not feel a hundred

373

00:16:45,350 --> 00:16:43,600

percent at times and i think it's

374

00:16:47,189 --> 00:16:45,360

important to just put you know the whole

375

00:16:49,189 --> 00:16:47,199

thing in perspective and

376

00:16:50,470 --> 00:16:49,199

you know understand the importance of

377

00:16:53,430 --> 00:16:50,480

what you're doing and you know

378

00:17:00,069 --> 00:16:53,440

eventually i'll you know be home someday

379

00:17:04,390 --> 00:17:02,310

scott for the first time in four years

380

00:17:06,470 --> 00:17:04,400

nasa is accepting applications for more

381

00:17:07,350 --> 00:17:06,480

astronauts in preparation for travel to

382

00:17:08,949 --> 00:17:07,360

mars

383

00:17:10,470 --> 00:17:08,959

what qualities do you think an ideal

384

00:17:19,029 --> 00:17:10,480

candidate should have to make a

385

00:17:23,909 --> 00:17:21,669

good question

386

00:17:26,870 --> 00:17:23,919

as far as our selection process you know

387

00:17:29,750 --> 00:17:26,880

there's certain um

388

00:17:32,870 --> 00:17:29,760

you know skills that are required and

389

00:17:34,870 --> 00:17:32,880

certain types of academic background

390

00:17:38,150 --> 00:17:34,880

you know generally speaking science or

391

00:17:41,029 --> 00:17:38,160

engineering uh you know nasa selects

392

00:17:43,350 --> 00:17:41,039

civilians as they also select people in

393

00:17:45,270 --> 00:17:43,360

the military i was in the navy

394

00:17:48,470 --> 00:17:45,280

and i was a navy pilot

395

00:17:50,230 --> 00:17:48,480

um so i think for the person that goes

396

00:17:52,870 --> 00:17:50,240

to mars certainly

397

00:17:55,350 --> 00:17:52,880

the uh you know an operational type of

398

00:17:57,350 --> 00:17:55,360

of background will be important because

399

00:17:59,669 --> 00:17:57,360

you know even though this is a space

400

00:18:01,590 --> 00:17:59,679

station it has and it's not like an

401

00:18:04,310 --> 00:18:01,600

airplane we don't fly it like an

402

00:18:06,950 --> 00:18:04,320

airplane it does have very sophisticated

403

00:18:09,029 --> 00:18:06,960

systems that are you know

404

00:18:11,510 --> 00:18:09,039

you know related to one another

405

00:18:13,029 --> 00:18:11,520

and it takes kind of an operational

406

00:18:14,710 --> 00:18:13,039

mindset

407

00:18:17,110 --> 00:18:14,720

in some respect to

408

00:18:19,029 --> 00:18:17,120

to deal with those systems and you know

409

00:18:20,470 --> 00:18:19,039

especially to repair them

410

00:18:22,789 --> 00:18:20,480

um

411

00:18:25,029 --> 00:18:22,799

you know on this space station

412

00:18:27,590 --> 00:18:25,039

you know we're it so if something breaks

413

00:18:30,070 --> 00:18:27,600

whether it's the electrical system or

414

00:18:33,350 --> 00:18:30,080

you know the hardware that removes the

415

00:18:35,190 --> 00:18:33,360

carbon dioxide from the atmosphere

416

00:18:36,390 --> 00:18:35,200

we have to fix it if there's a science

417

00:18:39,270 --> 00:18:36,400

experiment

418

00:18:41,029 --> 00:18:39,280

we we are the ones that conduct it

419

00:18:42,470 --> 00:18:41,039

computer problems

420

00:18:43,990 --> 00:18:42,480

you know we have to

421

00:18:45,270 --> 00:18:44,000

take care of those too now there's a lot

422

00:18:47,270 --> 00:18:45,280

of people on the ground that help us

423

00:18:49,270 --> 00:18:47,280

with those but it actually requires a

424

00:18:51,430 --> 00:18:49,280

person to do it then then we're the ones

425

00:18:53,110 --> 00:18:51,440

we have to have to do it fortunately

426  
00:18:55,029 --> 00:18:53,120  
right now we have a doctor on board but

427  
00:18:57,750 --> 00:18:55,039  
if he gets sick one of us has to be his

428  
00:18:58,630 --> 00:18:57,760  
doctor so i think someone that's kind of

429  
00:19:11,750 --> 00:18:58,640  
a

430  
00:19:13,510 --> 00:19:11,760  
work with uh

431  
00:19:15,830 --> 00:19:13,520  
as part of a team and it's it's a

432  
00:19:17,909 --> 00:19:15,840  
diverse team we have you know it'll be

433  
00:19:19,669 --> 00:19:17,919  
probably an international effort and

434  
00:19:21,430 --> 00:19:19,679  
getting along with your and working well

435  
00:19:30,150 --> 00:19:21,440  
with your international colleagues will

436  
00:19:37,350 --> 00:19:32,710  
thank you so much for joining us i

437  
00:19:37,360 --> 00:19:41,350  
our pleasure thanks for joining us

438  
00:19:45,510 --> 00:19:43,029

station this is houston acr that

439

00:19:48,710 --> 00:19:45,520

concludes the event thank you

440

00:19:50,630 --> 00:19:48,720

thank you msnbc and aol.com station