



1  
00:00:05,269 --> 00:00:01,910  
station this is houston are you ready

2  
00:00:05,279 --> 00:00:09,509  
station is ready

3  
00:00:13,270 --> 00:00:11,190  
moxie productions this is mission

4  
00:00:15,110 --> 00:00:13,280  
control houston please call station for

5  
00:00:17,189 --> 00:00:15,120  
a voice check

6  
00:00:21,990 --> 00:00:17,199  
station this is rory kennedy with moxie

7  
00:00:25,670 --> 00:00:23,590  
i have you loud and clear on board the

8  
00:00:31,109 --> 00:00:25,680  
international space station

9  
00:00:39,190 --> 00:00:34,229  
yes it is very cool

10  
00:00:42,869 --> 00:00:40,549  
that's correct

11  
00:00:44,709 --> 00:00:42,879  
it's nice to speak with you peggy and a

12  
00:00:48,630 --> 00:00:44,719  
huge honor thank you for taking the time

13  
00:00:53,590 --> 00:00:51,029

no problem at all this is a lot of fun

14

00:00:55,430 --> 00:00:53,600

being up here and it's uh great to try

15

00:00:56,630 --> 00:00:55,440

and share the experience

16

00:00:59,349 --> 00:00:56,640

thank you

17

00:01:04,070 --> 00:00:59,359

so how how is it up there how does it

18

00:01:07,990 --> 00:01:05,830

well you know i thought maybe because

19

00:01:09,670 --> 00:01:08,000

i'm a little older and

20

00:01:11,910 --> 00:01:09,680

things have changed it's been nine years

21

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

since i'd flown eight years since i'd

22

00:01:15,990 --> 00:01:14,240

flown so i i

23

00:01:17,670 --> 00:01:16,000

thought maybe my attitude would be a

24

00:01:19,910 --> 00:01:17,680

little different

25

00:01:20,789 --> 00:01:19,920

if anything i think i'm enjoying it even

26

00:01:24,950 --> 00:01:20,799

more

27

00:01:30,950 --> 00:01:28,710

that's fantastic they need to interrupt

28

00:01:34,950 --> 00:01:30,960

oh they need to tell you something peggy

29

00:01:43,270 --> 00:01:37,270

apologies please um use your on off

30

00:01:43,280 --> 00:01:47,590

okay copy

31

00:01:53,510 --> 00:01:50,710

okay how was the soya's ride up there

32

00:01:54,389 --> 00:01:53,520

peggy that's when our crew was last with

33

00:01:59,270 --> 00:01:54,399

you

34

00:02:05,030 --> 00:02:02,149

actually the soyuz liftoff was even

35

00:02:07,030 --> 00:02:05,040

smoother than i remembered it being

36

00:02:09,029 --> 00:02:07,040

the two days on board

37

00:02:11,430 --> 00:02:09,039

the soyuz waiting to get to the space

38

00:02:13,910 --> 00:02:11,440

station that was almost as boring as i

39  
00:02:16,550 --> 00:02:13,920  
remembered it would be my crewmates were

40  
00:02:17,589 --> 00:02:16,560  
a lot of fun to chat with but it is a

41  
00:02:19,030 --> 00:02:17,599  
little bit

42  
00:02:20,630 --> 00:02:19,040  
boring waiting to get here because

43  
00:02:23,190 --> 00:02:20,640  
there's just not that much you can do in

44  
00:02:25,510 --> 00:02:23,200  
the soyuz it's pretty small space

45  
00:02:28,229 --> 00:02:25,520  
well i imagine it's uh nerve-wracking

46  
00:02:29,910 --> 00:02:28,239  
too because you know there's still

47  
00:02:32,390 --> 00:02:29,920  
with all the times you've been up there

48  
00:02:38,150 --> 00:02:32,400  
there's the reality of the risk that

49  
00:02:42,550 --> 00:02:40,150  
well there's always a risk associated

50  
00:02:43,430 --> 00:02:42,560  
with space flight but that's just part

51

00:02:45,750 --> 00:02:43,440

of the

52

00:02:47,430 --> 00:02:45,760

the job part of exploration there's

53

00:02:49,270 --> 00:02:47,440

always going to be risk

54

00:02:50,550 --> 00:02:49,280

and it has to be something that we try

55

00:02:53,270 --> 00:02:50,560

and minimize

56

00:02:56,229 --> 00:02:53,280

but of course we do have to accept that

57

00:03:00,070 --> 00:02:56,239

this isn't you know a simple job and

58

00:03:02,390 --> 00:03:00,080

it's always very dangerous and risky

59

00:03:04,390 --> 00:03:02,400

so tell me about your activities up

60

00:03:06,630 --> 00:03:04,400

there can you help us understand what

61

00:03:07,830 --> 00:03:06,640

your what you're up to and and what

62

00:03:12,229 --> 00:03:07,840

you're working on and what your

63

00:03:17,750 --> 00:03:14,149

well last week we did an incredible

64

00:03:20,229 --> 00:03:17,760

amount of different scientific

65

00:03:21,350 --> 00:03:20,239

uh installing them and putting them in

66

00:03:22,949 --> 00:03:21,360

place

67

00:03:26,309 --> 00:03:22,959

and starting them up

68

00:03:27,190 --> 00:03:26,319

and in one case we had a problem with

69

00:03:29,110 --> 00:03:27,200

the

70

00:03:30,949 --> 00:03:29,120

one that does combustions an experiment

71

00:03:32,869 --> 00:03:30,959

that looks at combustion

72

00:03:35,430 --> 00:03:32,879

and so we've spent some time

73

00:03:38,149 --> 00:03:35,440

troubleshooting that trying to determine

74

00:03:40,390 --> 00:03:38,159

uh what is wrong with the rack system

75

00:03:43,270 --> 00:03:40,400

that i can't remove the cartridge it's a

76

00:03:45,830 --> 00:03:43,280

it's a very complex piece of hardware

77

00:03:48,949 --> 00:03:45,840

and so we've done some very complex

78

00:03:50,869 --> 00:03:48,959

troubleshooting yesterday uh and earlier

79

00:03:53,190 --> 00:03:50,879

today we were doing some of the

80

00:03:55,750 --> 00:03:53,200

finishing up the servicing of the

81

00:03:58,309 --> 00:03:55,760

internal thermal control loops so we

82

00:04:00,309 --> 00:03:58,319

have a huge variety of different things

83

00:04:03,110 --> 00:04:00,319

that we do on board the space station on

84

00:04:05,110 --> 00:04:03,120

a day-to-day basis and it's just based

85

00:04:07,190 --> 00:04:05,120

on the needs and the priorities that are

86

00:04:09,670 --> 00:04:07,200

set to us from the ground

87

00:04:10,949 --> 00:04:09,680

uh it's always fun though uh every day

88

00:04:12,470 --> 00:04:10,959

is a little different than the day

89

00:04:15,270 --> 00:04:12,480

before and

90

00:04:17,270 --> 00:04:15,280

we're always uh directly contributing to

91

00:04:18,550 --> 00:04:17,280

space flight so i get a kick out of it

92

00:04:21,749 --> 00:04:18,560

every single day

93

00:04:24,310 --> 00:04:21,759

i bet you do and how how are the um is

94

00:04:26,870 --> 00:04:24,320

the impact on on you and your body are

95

00:04:32,790 --> 00:04:26,880

you are you feeling that i imagine it's

96

00:04:36,790 --> 00:04:34,629

well it's interesting you know my first

97

00:04:39,189 --> 00:04:36,800

flight i probably had the most uh

98

00:04:41,350 --> 00:04:39,199

symptoms of being in space they call it

99

00:04:43,189 --> 00:04:41,360

space motion sickness but i really

100

00:04:45,430 --> 00:04:43,199

didn't have much of a sense problem

101

00:04:47,590 --> 00:04:45,440

coming up hill but

102

00:04:49,670 --> 00:04:47,600

i still didn't feel at home for probably

103

00:04:51,350 --> 00:04:49,680

about three weeks and in the sense that

104

00:04:54,950 --> 00:04:51,360

i wasn't hungry

105

00:04:57,189 --> 00:04:54,960

it took my body some time to figure out

106

00:05:00,390 --> 00:04:57,199

how to adjust and live in space

107

00:05:02,710 --> 00:05:00,400

uh my second flight i was adapted after

108

00:05:04,710 --> 00:05:02,720

i arrived onboard station two days later

109

00:05:06,629 --> 00:05:04,720

and this time i thought maybe because it

110

00:05:08,550 --> 00:05:06,639

had been so long that my body might have

111

00:05:11,029 --> 00:05:08,560

forgotten how to adapt

112

00:05:13,189 --> 00:05:11,039

but i think maybe it was even faster it

113

00:05:16,390 --> 00:05:13,199

seemed like i was comfortable from uh

114

00:05:17,510 --> 00:05:16,400

the moment we were on orbit and so it's

115

00:05:19,990 --> 00:05:17,520

been great

116

00:05:21,749 --> 00:05:20,000

uh i feel at home that place is a lot

117

00:05:23,350 --> 00:05:21,759

bigger homes a lot bigger than it was

118

00:05:25,670 --> 00:05:23,360

last time i was here

119

00:05:28,070 --> 00:05:25,680

isn't that amazing gosh it's so fun to

120

00:05:30,790 --> 00:05:28,080

think about and how about looking down

121

00:05:33,029 --> 00:05:30,800

at at earth how's our how's our planet

122

00:05:35,029 --> 00:05:33,039

looking i know we've elected a new

123

00:05:36,710 --> 00:05:35,039

president since you left so you probably

124

00:05:41,590 --> 00:05:36,720

maybe you just want to stay up there for

125

00:05:45,749 --> 00:05:44,070

our planet is still just amazing if

126

00:05:48,230 --> 00:05:45,759

anything i think

127

00:05:51,270 --> 00:05:48,240

i maybe forgot how much it actually

128

00:05:53,990 --> 00:05:51,280

glows it is just so beautiful it's hard

129

00:05:55,029 --> 00:05:54,000

to capture in pictures but it it really

130

00:05:56,550 --> 00:05:55,039

does

131

00:05:59,110 --> 00:05:56,560

glow

132

00:06:01,110 --> 00:05:59,120

and as i have talked to you a little bit

133

00:06:03,749 --> 00:06:01,120

before i love the sunrises and the

134

00:06:04,950 --> 00:06:03,759

sunsets they're my favorite times and

135

00:06:06,390 --> 00:06:04,960

watching

136

00:06:07,749 --> 00:06:06,400

that thin line

137

00:06:09,029 --> 00:06:07,759

uh

138

00:06:11,510 --> 00:06:09,039

the

139

00:06:13,029 --> 00:06:11,520

it's just amazing with all incredible

140

00:06:16,790 --> 00:06:13,039

shades of blue

141

00:06:18,870 --> 00:06:16,800

uh as the sun rises and as it sunsets uh

142

00:06:22,390 --> 00:06:18,880

just amazing colors

143

00:06:24,629 --> 00:06:22,400

it's in a beautiful view

144

00:06:27,430 --> 00:06:24,639

and you see the vulnerability of the

145

00:06:29,710 --> 00:06:27,440

earth too and how important it is to

146

00:06:31,590 --> 00:06:29,720

protect it do you see the impact of the

147

00:06:35,189 --> 00:06:31,600

wildfires and

148

00:06:38,230 --> 00:06:35,199

and maybe global warming on on places

149

00:06:40,950 --> 00:06:38,240

like california where it looks more dry

150

00:06:43,830 --> 00:06:40,960

from up there can you can you see

151  
00:06:45,590 --> 00:06:43,840  
how how vulnerable we are down here

152  
00:06:49,189 --> 00:06:45,600  
and appreciate it from that perspective

153  
00:06:54,230 --> 00:06:52,070  
i think probably the thing that makes me

154  
00:06:57,830 --> 00:06:54,240  
think most about how vulnerable our

155  
00:06:59,589 --> 00:06:57,840  
planet is is seeing those sunrises and

156  
00:07:02,950 --> 00:06:59,599  
you get to see that

157  
00:07:05,270 --> 00:07:02,960  
outline of the atmosphere uh and it's

158  
00:07:08,390 --> 00:07:05,280  
that blues i was talking about

159  
00:07:11,270 --> 00:07:08,400  
and this the earth is a huge huge thing

160  
00:07:13,110 --> 00:07:11,280  
in our view at 250 miles above it

161  
00:07:14,550 --> 00:07:13,120  
and you can see the curve of the earth

162  
00:07:16,870 --> 00:07:14,560  
and you can see the curve of the

163  
00:07:19,990 --> 00:07:16,880

atmosphere covering the earth and it is

164

00:07:21,589 --> 00:07:20,000

such a thin layer by comparison to the

165

00:07:23,990 --> 00:07:21,599

size of the planet and that always

166

00:07:25,749 --> 00:07:24,000

strikes me and makes me feel like you

167

00:07:27,670 --> 00:07:25,759

know hey this is something that we that

168

00:07:29,510 --> 00:07:27,680

we need to protect

169

00:07:32,070 --> 00:07:29,520

yeah i can imagine

170

00:07:35,589 --> 00:07:32,080

now i understand last week there was a

171

00:07:38,390 --> 00:07:35,599

resupply mission that was uh sending you

172

00:07:40,950 --> 00:07:38,400

some some pretty essential supplies and

173

00:07:43,270 --> 00:07:40,960

and there were some problems with that

174

00:07:45,189 --> 00:07:43,280

can you tell us what happened and and

175

00:07:46,150 --> 00:07:45,199

how does that make you feel i would

176  
00:07:47,830 --> 00:07:46,160  
imagine

177  
00:07:52,550 --> 00:07:47,840  
you two are feeling you know a little

178  
00:07:57,350 --> 00:07:55,189  
well actually our planners have a you

179  
00:08:00,550 --> 00:07:57,360  
know very detailed plan that's what nasa

180  
00:08:03,110 --> 00:08:00,560  
does best is plan and have a backup plan

181  
00:08:04,469 --> 00:08:03,120  
for the plan that doesn't work and

182  
00:08:06,550 --> 00:08:04,479  
it's uh

183  
00:08:08,629 --> 00:08:06,560  
one of the things i i admire the most

184  
00:08:11,350 --> 00:08:08,639  
about nasa is our ability to solve

185  
00:08:14,390 --> 00:08:11,360  
problems but in this particular case the

186  
00:08:16,309 --> 00:08:14,400  
the the russian side was affected much

187  
00:08:17,510 --> 00:08:16,319  
more they had much more cargo on board

188  
00:08:19,990 --> 00:08:17,520

that vehicle

189

00:08:23,110 --> 00:08:20,000

but we have enough supplies to last well

190

00:08:25,909 --> 00:08:23,120

into spring and actually today we had a

191

00:08:28,070 --> 00:08:25,919

successful launch of the htv the

192

00:08:29,189 --> 00:08:28,080

japanese cargo vehicle which will be

193

00:08:31,430 --> 00:08:29,199

arriving

194

00:08:33,589 --> 00:08:31,440

in a little over a week and

195

00:08:35,670 --> 00:08:33,599

we should get plenty of resupplies on

196

00:08:39,350 --> 00:08:35,680

that as well so that'll take us well

197

00:08:41,509 --> 00:08:39,360

into next year in terms of supplies

198

00:08:43,909 --> 00:08:41,519

you know there were a few unique items

199

00:08:46,870 --> 00:08:43,919

that uh obviously might be a little more

200

00:08:49,430 --> 00:08:46,880

difficult the russians lost a spacesuit

201  
00:08:50,470 --> 00:08:49,440  
um and you know on one of the previous

202  
00:08:56,310 --> 00:08:50,480  
uh

203  
00:08:57,590 --> 00:08:56,320  
also lost a spacesuit so it's something

204  
00:09:00,470 --> 00:08:57,600  
that happens

205  
00:09:02,710 --> 00:09:00,480  
again uh has to do with the fact that

206  
00:09:04,310 --> 00:09:02,720  
space flight's not an easy thing

207  
00:09:06,230 --> 00:09:04,320  
and uh

208  
00:09:08,150 --> 00:09:06,240  
we just have to keep pressing ourselves

209  
00:09:09,509 --> 00:09:08,160  
to do the right thing make make sure

210  
00:09:11,590 --> 00:09:09,519  
we're doing all the right tests and

211  
00:09:13,829 --> 00:09:11,600  
keeping the quality control where it

212  
00:09:15,590 --> 00:09:13,839  
needs to be so that we don't have uh

213  
00:09:17,509 --> 00:09:15,600

these problems

214

00:09:20,230 --> 00:09:17,519

that's awesome i'm told i've got only

215

00:09:22,230 --> 00:09:20,240

one more question for you which is if

216

00:09:24,949 --> 00:09:22,240

you could tell me what your plans are

217

00:09:26,949 --> 00:09:24,959

for the next 157 days that you're up

218

00:09:29,670 --> 00:09:26,959

there it's it's a huge amount of time

219

00:09:31,750 --> 00:09:29,680

and and and what you're missing from

220

00:09:33,590 --> 00:09:31,760

planet earth during during what you

221

00:09:37,829 --> 00:09:33,600

anticipate you'll be missing during that

222

00:09:42,070 --> 00:09:39,590

well probably the thing that i'll miss

223

00:09:44,790 --> 00:09:42,080

the most is food although our guys uh do

224

00:09:47,110 --> 00:09:44,800

a great job uh trying to give us food

225

00:09:48,710 --> 00:09:47,120

that we like the lack of variety i think

226

00:09:51,350 --> 00:09:48,720

is probably the one thing that in the

227

00:09:52,790 --> 00:09:51,360

past my previous experience has shown

228

00:09:54,550 --> 00:09:52,800

that that's the one thing that gets a

229

00:09:55,829 --> 00:09:54,560

little boring

230

00:09:57,990 --> 00:09:55,839

in terms of

231

00:10:01,670 --> 00:09:58,000

other things it's great to be able to

232

00:10:03,990 --> 00:10:01,680

have the ip phone and email access so i

233

00:10:07,509 --> 00:10:04,000

can talk to family and friends and i

234

00:10:09,269 --> 00:10:07,519

don't really feel particularly isolated

235

00:10:11,990 --> 00:10:09,279

so i don't really think i'll miss them

236

00:10:15,110 --> 00:10:12,000

too much other than you know it's just

237

00:10:17,269 --> 00:10:15,120

being there in person with them but uh

238

00:10:18,949 --> 00:10:17,279

it's great to be able to stay in touch

239

00:10:20,870 --> 00:10:18,959

with everyone

240

00:10:22,389 --> 00:10:20,880

well that's fantastic i don't really

241

00:10:25,030 --> 00:10:22,399

think i'll miss a lot and i'm going to

242

00:10:27,350 --> 00:10:25,040

be very excited about contributing to

243

00:10:29,269 --> 00:10:27,360

the science program up here well listen

244

00:10:31,430 --> 00:10:29,279

it's an honor to speak with you and we

245

00:10:33,350 --> 00:10:31,440

appreciate the the personal sacrifice

246

00:10:35,430 --> 00:10:33,360

you make to be up there

247

00:10:37,829 --> 00:10:35,440

and your willingness to

248

00:10:40,069 --> 00:10:37,839

to put yourself in a very vulnerable

249

00:10:41,829 --> 00:10:40,079

position a very exciting position too

250

00:10:44,870 --> 00:10:41,839

but for the sake of

251  
00:10:47,190 --> 00:10:44,880  
humanity and exploration and and taking

252  
00:10:49,990 --> 00:10:47,200  
us into the future and helping ignite

253  
00:10:51,670 --> 00:10:50,000  
our imagination so it's a huge honor to

254  
00:10:53,590 --> 00:10:51,680  
speak with you and good luck with all of

255  
00:10:56,630 --> 00:10:53,600  
your work and we'll be thinking about

256  
00:11:02,310 --> 00:10:56,640  
you as you go 17 500 miles whipping

257  
00:11:05,750 --> 00:11:04,470  
yeah it is a great job and i'm honored

258  
00:11:07,910 --> 00:11:05,760  
to be here

259  
00:11:09,590 --> 00:11:07,920  
all right you take care of peggy be safe

260  
00:11:14,550 --> 00:11:09,600  
and we'll uh talk to you when you're

261  
00:11:14,560 --> 00:11:18,470  
okay we'll do

262  
00:11:26,389 --> 00:11:20,870  
station this is houston acr

263  
00:11:30,630 --> 00:11:28,310

thank you to all participants with moxie

264

00:11:32,550 --> 00:11:30,640

production station please stand by while