



1
00:00:04,849 --> 00:00:02,570
my question is for Megan has your

2
00:00:08,570 --> 00:00:04,859
husband given you any advice for flying

3
00:00:14,930 --> 00:00:11,690
so my husband as you know also flew the

4
00:00:16,849 --> 00:00:14,940
crew Dragon last year as part of the

5
00:00:19,189 --> 00:00:16,859
demonstration Mission and happened to be

6
00:00:21,650 --> 00:00:19,199
in the same seat that I'll be in and

7
00:00:23,750 --> 00:00:21,660
actually I had several years really of

8
00:00:25,970 --> 00:00:23,760
learning from him along the way as they

9
00:00:27,650 --> 00:00:25,980
developed the vehicle and then as I went

10
00:00:29,150 --> 00:00:27,660
through training really had kind of a

11
00:00:31,250 --> 00:00:29,160
framework to put some of that

12
00:00:34,090 --> 00:00:31,260
information so there's not one specific

13
00:00:38,450 --> 00:00:34,100

thing it's really just been a series of

14

00:00:45,350 --> 00:00:40,850

so the next question that we have is

15

00:00:46,560 --> 00:00:45,360

Gina Sunseri from ABC News

16

00:00:47,990 --> 00:00:46,570

a good

17

00:00:50,090 --> 00:00:48,000

[Music]

18

00:00:52,549 --> 00:00:50,100

you're launching on Earth Day with luck

19

00:00:54,709 --> 00:00:52,559

uh what significance of that when you go

20

00:00:55,970 --> 00:00:54,719

into orbit and we'll look back at our

21

00:00:58,490 --> 00:00:55,980

planet for those of you who have been

22

00:01:03,349 --> 00:01:00,170

hey it's a great question thanks a lot

23

00:01:05,870 --> 00:01:03,359

uh it means a lot to us because I think

24

00:01:07,310 --> 00:01:05,880

um we we all care individually above the

25

00:01:09,590 --> 00:01:07,320

Earth obviously but also I think our

26

00:01:11,390 --> 00:01:09,600

agencies are at the Forefront

27

00:01:13,550 --> 00:01:11,400

um of the you know the fight to protects

28

00:01:15,649 --> 00:01:13,560

the to protect the environment

29

00:01:17,929 --> 00:01:15,659

um it's only by going into space that

30

00:01:20,210 --> 00:01:17,939

we've been able to kind of kind of take

31

00:01:22,550 --> 00:01:20,220

a step back and and really measure all

32

00:01:23,990 --> 00:01:22,560

those variables that enable the

33

00:01:25,609 --> 00:01:24,000

scientists to conclude on what's

34

00:01:27,109 --> 00:01:25,619

happening to the planet so it's really

35

00:01:29,090 --> 00:01:27,119

thanks to the work of the cellulite

36

00:01:32,090 --> 00:01:29,100

thanks to the work of the agencies that

37

00:01:34,249 --> 00:01:32,100

today we're in a position to assess the

38

00:01:36,710 --> 00:01:34,259

health of the planet and and try to try

39

00:01:37,789 --> 00:01:36,720

to make it better so I think we're part

40

00:01:40,490 --> 00:01:37,799

of that fight I think we care

41

00:01:42,230 --> 00:01:40,500

individually and our agencies care so I

42

00:01:44,090 --> 00:01:42,240

think it's a great symbol that as a crew

43

00:01:46,429 --> 00:01:44,100

we launch on Earth Day because it means

44

00:01:50,149 --> 00:01:46,439

a lot to us

45

00:01:52,789 --> 00:01:50,159

thanks Tomah all right let's go to Joey

46

00:01:54,590 --> 00:01:52,799

roulette from The Verge

47

00:01:56,450 --> 00:01:54,600

hey thank you

48

00:01:58,249 --> 00:01:56,460

um questions of the whole crew I was

49

00:02:01,370 --> 00:01:58,259

wondering if you guys have received your

50

00:02:05,510 --> 00:02:01,380

coded vaccines and if so when was that

51
00:02:09,050 --> 00:02:07,670
um yeah we all received vaccines and uh

52
00:02:10,550 --> 00:02:09,060
I guess it went fine we all have a

53
00:02:12,350 --> 00:02:10,560
little bit different reactions just like

54
00:02:14,390 --> 00:02:12,360
most people do so we're no different in

55
00:02:17,510 --> 00:02:14,400
that regard but we're thankful that we

56
00:02:23,330 --> 00:02:20,390
our next question is from Kenneth Chang

57
00:02:25,550 --> 00:02:23,340
of the New York Times

58
00:02:27,589 --> 00:02:25,560
oh thanks uh Joey just asked me that

59
00:02:29,690 --> 00:02:27,599
question off of who just answered

60
00:02:32,150 --> 00:02:29,700
previously

61
00:02:35,750 --> 00:02:32,160
that was Shane Kimbrough

62
00:02:42,229 --> 00:02:37,850
all right we'll take this moment to take

63
00:02:49,130 --> 00:02:42,239

another question from social media

64

00:02:55,850 --> 00:02:51,650

see here

65

00:03:01,550 --> 00:02:55,860

from at davidchadden2 what are the

66

00:03:05,509 --> 00:03:03,710

uh that's a great question

67

00:03:08,270 --> 00:03:05,519

um first of all I think we're looking

68

00:03:11,030 --> 00:03:08,280

forward to uh riding on the crew Dragon

69

00:03:13,610 --> 00:03:11,040

uh it's a brand new spacecraft and uh

70

00:03:16,190 --> 00:03:13,620

it's uh it looks fabulous uh we got to

71

00:03:18,649 --> 00:03:16,200

see the outside the other day

72

00:03:21,949 --> 00:03:18,659

um at the pad so we're looking forward

73

00:03:24,110 --> 00:03:21,959

to uh actually riding it and flying on

74

00:03:26,270 --> 00:03:24,120

it um and then once we're on Space

75

00:03:29,270 --> 00:03:26,280

Station uh we got uh so many different

76

00:03:32,030 --> 00:03:29,280

science Evas and the visiting vehicles

77

00:03:34,309 --> 00:03:32,040

coming and going so there's a variety of

78

00:03:37,309 --> 00:03:34,319

uh activities going on and we're looking

79

00:03:40,610 --> 00:03:37,319

forward to working all that

80

00:03:41,990 --> 00:03:40,620

that definitely sounds exciting Aki so

81

00:03:44,869 --> 00:03:42,000

we have

82

00:03:46,009 --> 00:03:44,879

Let's see we actually have quite a few

83

00:03:49,009 --> 00:03:46,019

questions

84

00:03:52,130 --> 00:03:49,019

um this is for Megan can you explain

85

00:03:53,030 --> 00:03:52,140

your boots

86

00:03:54,410 --> 00:03:53,040

um well I don't know if I can explain

87

00:03:56,149 --> 00:03:54,420

them but I can show them off again

88

00:03:57,229 --> 00:03:56,159

they're pretty great

89

00:03:59,270 --> 00:03:57,239

um I think you know it's been a

90

00:04:00,770 --> 00:03:59,280

difficult year for everyone and I've

91

00:04:02,270 --> 00:04:00,780

decided that I needed a little bit of

92

00:04:04,429 --> 00:04:02,280

extra Sparkle they just they just bring

93

00:04:09,050 --> 00:04:04,439

me a lot of joy and uh I think it's just

94

00:04:16,069 --> 00:04:11,809

all right we have another question

95

00:04:18,770 --> 00:04:16,079

coming in from uh from social media what

96

00:04:23,689 --> 00:04:18,780

has been the most ex exciting part of

97

00:04:28,550 --> 00:04:26,150

let's see the most exciting for me and

98

00:04:30,950 --> 00:04:28,560

probably the others too is working with

99

00:04:32,210 --> 00:04:30,960

SpaceX it's something new to all of us I

100

00:04:33,770 --> 00:04:32,220

mean just trying to figure out that

101
00:04:35,450 --> 00:04:33,780
Dynamic and it's been really great

102
00:04:38,629 --> 00:04:35,460
working with our teams they're really

103
00:04:40,070 --> 00:04:38,639
fantastic super smart very motivated

104
00:04:41,570 --> 00:04:40,080
um so me that's been very exciting and

105
00:04:43,129 --> 00:04:41,580
then just getting to know these folks a

106
00:04:45,170 --> 00:04:43,139
little better and kind of living and

107
00:04:46,790 --> 00:04:45,180
working with them over the past year as

108
00:04:50,090 --> 00:04:46,800
we trained has been very exciting as

109
00:04:56,629 --> 00:04:52,790
all right so our next question from the

110
00:04:59,090 --> 00:04:56,639
phone will be Bill Harwood

111
00:04:59,990 --> 00:04:59,100
yeah hi guys uh this is a question from

112
00:05:02,810 --> 00:05:00,000
Megan

113
00:05:04,670 --> 00:05:02,820

um you have a zero g toy on board uh

114

00:05:07,310 --> 00:05:04,680

this flight for your son and has he said

115

00:05:10,310 --> 00:05:07,320

anything about having two parents who

116

00:05:12,409 --> 00:05:10,320

fly in space occasionally thanks

117

00:05:14,570 --> 00:05:12,419

um thanks Bill we will our crew will

118

00:05:16,550 --> 00:05:14,580

have a zero g indicator that we chose

119

00:05:18,710 --> 00:05:16,560

together we have a couple of sons

120

00:05:20,810 --> 00:05:18,720

several sons and a couple of daughters

121

00:05:22,790 --> 00:05:20,820

that belong to this Mission so our

122

00:05:26,270 --> 00:05:22,800

families have chosen a zero g indicator

123

00:05:28,070 --> 00:05:26,280

that you'll see once we reach 0g and um

124

00:05:29,749 --> 00:05:28,080

my son you know I think for him it's

125

00:05:33,110 --> 00:05:29,759

just everybody's parents are astronauts

126

00:05:43,129 --> 00:05:35,570

all right so we have another question

127

00:05:48,050 --> 00:05:46,129

how has the training process

128

00:05:50,090 --> 00:05:48,060

specifically for Dragon missions been

129

00:05:51,650 --> 00:05:50,100

refined as a result of what we've

130

00:05:54,170 --> 00:05:51,660

learned from the previous few missions

131

00:05:56,270 --> 00:05:54,180

and have the cruising demo to in crew

132

00:05:58,070 --> 00:05:56,280

one giving you all any advice other than

133

00:05:59,090 --> 00:05:58,080

the launch sound already mentioned by

134

00:06:00,950 --> 00:05:59,100

Megan

135

00:06:03,710 --> 00:06:00,960

yeah I'll start it off and other folks

136

00:06:04,969 --> 00:06:03,720

can jump in we're really the first crew

137

00:06:06,590 --> 00:06:04,979

even though there's two Crews have gone

138

00:06:08,450 --> 00:06:06,600

by Forest we're the first ones that have

139

00:06:10,969 --> 00:06:08,460

gone through what they hope to be kind

140

00:06:13,189 --> 00:06:10,979

of the templated flow for future Crews

141

00:06:15,469 --> 00:06:13,199

so a little less than a year of training

142

00:06:17,390 --> 00:06:15,479

uh where the the crews in front of us

143

00:06:19,490 --> 00:06:17,400

had several years of training and so

144

00:06:21,890 --> 00:06:19,500

instead of it being more developmental

145

00:06:24,590 --> 00:06:21,900

it's more you know operational now and

146

00:06:26,510 --> 00:06:24,600

so they tried to fit within a year all

147

00:06:28,430 --> 00:06:26,520

the SpaceX training along with the

148

00:06:30,290 --> 00:06:28,440

International Space Station training and

149

00:06:32,390 --> 00:06:30,300

our trips overseas that go along with

150

00:06:33,830 --> 00:06:32,400

that tried to Crunch it all in and I

151

00:06:35,689 --> 00:06:33,840

think it's a pretty decent place now

152

00:06:39,590 --> 00:06:35,699

it'll just continue to get refined as we

153

00:06:44,510 --> 00:06:42,290

uh thank you Shane for that so we have a

154

00:06:48,409 --> 00:06:44,520

couple questions coming in from uh

155

00:06:49,850 --> 00:06:48,419

social media this one is from at Liam

156

00:06:52,430 --> 00:06:49,860

Perry

157

00:06:58,850 --> 00:06:52,440

do you have anything to say to the next

158

00:07:02,629 --> 00:07:00,529

um yeah so first of all there's a couple

159

00:07:04,249 --> 00:07:02,639

of national selections going on there I

160

00:07:05,390 --> 00:07:04,259

know there's one in Europe Japan is

161

00:07:07,730 --> 00:07:05,400

going to have one soon there's one in

162

00:07:09,830 --> 00:07:07,740

the U.S happening as we speak uh so it's

163

00:07:11,930 --> 00:07:09,840

good I mean we're excited we we would

164

00:07:14,629 --> 00:07:11,940

like to see new people coming in Fresh

165

00:07:16,249 --> 00:07:14,639

Faces we have we have a lot of flights

166

00:07:17,749 --> 00:07:16,259

you know on the books for the years to

167

00:07:20,210 --> 00:07:17,759

come we have the space station that's

168

00:07:22,129 --> 00:07:20,220

going to be around for a lot more time

169

00:07:24,050 --> 00:07:22,139

and then we have the next phase you know

170

00:07:26,029 --> 00:07:24,060

we're we're going forward to the Moon as

171

00:07:27,770 --> 00:07:26,039

an international corporation so we'll

172

00:07:29,689 --> 00:07:27,780

need we'll need a new generation of

173

00:07:31,850 --> 00:07:29,699

astronauts for this so

174

00:07:33,770 --> 00:07:31,860

um my first advice really and probably

175

00:07:35,689 --> 00:07:33,780

the most important is just just apply

176

00:07:37,969 --> 00:07:35,699

don't censor yourselves the most

177

00:07:39,230 --> 00:07:37,979

selective phase of the selection

178

00:07:40,610 --> 00:07:39,240

um it's probably where or not you're

179

00:07:43,010 --> 00:07:40,620

going to apply because then after this

180

00:07:45,110 --> 00:07:43,020

you have one chance in 10 000 maybe but

181

00:07:46,790 --> 00:07:45,120

only one person in the million is going

182

00:07:49,189 --> 00:07:46,800

to apply so that's actually the most

183

00:07:51,170 --> 00:07:49,199

selective part so just do it go out

184

00:07:53,210 --> 00:07:51,180

there do your best and uh you never know

185

00:07:54,710 --> 00:07:53,220

you might be sitting in those chairs one

186

00:07:56,930 --> 00:07:54,720

day

187

00:07:58,369 --> 00:07:56,940

I was always hoping I was in one of

188

00:08:00,650 --> 00:07:58,379

those chairs

189

00:08:04,010 --> 00:08:00,660

um let's see we have one more from uh

190

00:08:07,610 --> 00:08:04,020

social media what scientific experiments

191

00:08:13,369 --> 00:08:09,529

so we have a lot of different

192

00:08:15,650 --> 00:08:13,379

experiments uh in various uh Fields but

193

00:08:18,050 --> 00:08:15,660

one thing that I'm looking forward to is

194

00:08:21,469 --> 00:08:18,060

uh testing out some uh some equipment

195

00:08:25,490 --> 00:08:21,479

for like Thomas said for the moon uh you

196

00:08:29,390 --> 00:08:25,500

know Gateway or Artemis programs so like

197

00:08:31,550 --> 00:08:29,400

water Recycling and uh other Eclipse

198

00:08:33,949 --> 00:08:31,560

systems that's something that we're

199

00:08:36,589 --> 00:08:33,959

looking forward to

200

00:08:39,170 --> 00:08:36,599

okay we'll take another question from

201
00:08:43,070 --> 00:08:39,180
the phone line this is from Amy Thompson

202
00:08:46,730 --> 00:08:45,290
hi there thanks for um taking my

203
00:08:49,490 --> 00:08:46,740
question so

204
00:08:51,590 --> 00:08:49,500
I believe yesterday afternoon you guys

205
00:08:53,090 --> 00:08:51,600
got to see your rocket on the pad so I

206
00:08:55,009 --> 00:08:53,100
was just kind of wondering

207
00:08:58,370 --> 00:08:55,019
um like what was that like how exciting

208
00:09:00,170 --> 00:08:58,380
was it that sort of thing thank you

209
00:09:01,790 --> 00:09:00,180
well as we were pulling up to it we were

210
00:09:03,590 --> 00:09:01,800
giggling I think we were all just like

211
00:09:05,990 --> 00:09:03,600
we can't believe that's our rocket and

212
00:09:08,090 --> 00:09:06,000
that's our spacecraft right there it was

213
00:09:09,889 --> 00:09:08,100

uh not in the vertical position it was

214

00:09:11,449 --> 00:09:09,899

kind of halfway when we pulled up to the

215

00:09:13,310 --> 00:09:11,459

pad and so that was really neat to see

216

00:09:15,410 --> 00:09:13,320

it go from there all the way to the the

217

00:09:17,870 --> 00:09:15,420

vertical position and then see the crew

218

00:09:19,370 --> 00:09:17,880

arm swing out was pretty special

219

00:09:22,550 --> 00:09:19,380

um little did we know shortly after that

220

00:09:24,110 --> 00:09:22,560

we were allowed to go up um to the 255

221

00:09:26,269 --> 00:09:24,120

foot level and then climb a few more

222

00:09:29,090 --> 00:09:26,279

stairs to get to the level that we're

223

00:09:30,829 --> 00:09:29,100

gonna walk out on on Thursday so that

224

00:09:33,290 --> 00:09:30,839

was really special to just to be that

225

00:09:34,850 --> 00:09:33,300

close see our spacecraft and think of

226

00:09:38,030 --> 00:09:34,860

all the amazing people that made it

227

00:09:43,970 --> 00:09:41,150

okay another social media question so

228

00:09:47,570 --> 00:09:43,980

this is from at Jacqueline Irving

229

00:09:50,150 --> 00:09:47,580

for Crew 2 astronaut pesque what would

230

00:09:53,030 --> 00:09:50,160

you like to say to aspiring astronauts

231

00:09:55,190 --> 00:09:53,040

from Europe and what does Crew 2 mean to

232

00:09:57,470 --> 00:09:55,200

ESA

233

00:09:59,870 --> 00:09:57,480

I think I think it means uh it means a

234

00:10:02,509 --> 00:09:59,880

lot you know for for East as an agency

235

00:10:05,509 --> 00:10:02,519

because we've been part of the ISS

236

00:10:07,550 --> 00:10:05,519

program for 20 years now and we intend

237

00:10:09,650 --> 00:10:07,560

to be part of what's coming next and I

238

00:10:11,150 --> 00:10:09,660

think this this commitment uh to human

239

00:10:12,769 --> 00:10:11,160

space life that we're making with the

240

00:10:14,990 --> 00:10:12,779

ISS program this commitment that we're

241

00:10:17,690 --> 00:10:15,000

making that we've made with the Artemis

242

00:10:19,850 --> 00:10:17,700

program uh just says a lot about how

243

00:10:21,590 --> 00:10:19,860

Europe wants to be part of the next step

244

00:10:23,509 --> 00:10:21,600

you Europe wants to be a reliable

245

00:10:25,970 --> 00:10:23,519

partner together with Japan the US

246

00:10:27,889 --> 00:10:25,980

Russia Canada

247

00:10:30,350 --> 00:10:27,899

um for for what's going to happen in the

248

00:10:33,350 --> 00:10:30,360

in the future so I think if you're in a

249

00:10:34,910 --> 00:10:33,360

spying an aspiring astronaut today like

250

00:10:37,069 --> 00:10:34,920

I said there's a selection coming up and

251

00:10:39,170 --> 00:10:37,079

if you're too young then then try to

252

00:10:42,170 --> 00:10:39,180

think of it uh try to think what's gonna

253

00:10:43,750 --> 00:10:42,180

give you the best chances pick a career

254

00:10:47,210 --> 00:10:43,760

you know into

255

00:10:48,889 --> 00:10:47,220

science math engineering that's still

256

00:10:50,090 --> 00:10:48,899

the best past but you can also be a

257

00:10:52,069 --> 00:10:50,100

pilot you can be a medical doctor

258

00:10:54,050 --> 00:10:52,079

there's a lot of different paths that

259

00:10:56,030 --> 00:10:54,060

are going to lead you to uh to being an

260

00:10:58,009 --> 00:10:56,040

astronaut so I think I think the future

261

00:10:59,329 --> 00:10:58,019

is bright for human space flight in

262

00:11:00,769 --> 00:10:59,339

general I think the present is the

263

00:11:03,110 --> 00:11:00,779

Golden Age of human space flight there's

264

00:11:04,670 --> 00:11:03,120

never been that much time spent on orbit

265

00:11:06,710 --> 00:11:04,680

that many different Vehicles flying to

266

00:11:08,810 --> 00:11:06,720

space or about to fly to space and I

267

00:11:10,910 --> 00:11:08,820

think the future is even brighter so um

268

00:11:13,370 --> 00:11:10,920

I would say

269

00:11:16,430 --> 00:11:13,380

put all the chances on on your side and

270

00:11:22,130 --> 00:11:16,440

uh and it'll be good

271

00:11:24,910 --> 00:11:22,140

thanks to Ma so we have one uh for Aki

272

00:11:28,009 --> 00:11:24,920

what does it feel like to leave Earth

273

00:11:29,810 --> 00:11:28,019

especially with the many spacecraft that

274

00:11:32,509 --> 00:11:29,820

you've done that with

275

00:11:35,269 --> 00:11:32,519

so for Shane and I it's going to be the

276

00:11:36,530 --> 00:11:35,279

third uh spacecraft we're leaving Earth

277

00:11:38,329 --> 00:11:36,540

with

278

00:11:41,090 --> 00:11:38,339

um so we've both flew on the space

279

00:11:43,490 --> 00:11:41,100

shuttle and the soyuz spacecraft so this

280

00:11:45,650 --> 00:11:43,500

will be our third kind

281

00:11:48,470 --> 00:11:45,660

um I guess we're looking forward to the

282

00:11:51,170 --> 00:11:48,480

rumble and The Sensation all the G's

283

00:11:53,329 --> 00:11:51,180

pushing on on our chest

284

00:11:55,009 --> 00:11:53,339

um it's going to be a lot of fun

285

00:11:58,009 --> 00:11:55,019

um like Shane said we were just getting

286

00:11:59,870 --> 00:11:58,019

uh just looking at the rocket but

287

00:12:03,230 --> 00:11:59,880

actually riding it it's going to be a

288

00:12:09,170 --> 00:12:05,690

uh that that definitely sounds like a

289

00:12:11,509 --> 00:12:09,180

fun ride uh one more question uh from

290

00:12:12,889 --> 00:12:11,519

social media before we head back to the

291

00:12:15,590 --> 00:12:12,899

phone line

292

00:12:23,629 --> 00:12:15,600

what does it feel like to leave Earth

293

00:12:29,150 --> 00:12:26,329

Megan will answer too on this one uh it

294

00:12:31,430 --> 00:12:29,160

really feels amazing um uh in a slogan

295

00:12:33,350 --> 00:12:31,440

that you've probably heard a lot is we

296

00:12:35,509 --> 00:12:33,360

go off the Earth for the Earth and I

297

00:12:37,430 --> 00:12:35,519

always think about that because leaving

298

00:12:39,350 --> 00:12:37,440

the Earth is it's an incredible

299

00:12:40,910 --> 00:12:39,360

sensation first of all but uh when we

300

00:12:43,069 --> 00:12:40,920

get up there we're doing some really

301
00:12:45,769 --> 00:12:43,079
incredible work for everybody here on

302
00:12:47,389 --> 00:12:45,779
Earth so it's really special to be a

303
00:12:49,670 --> 00:12:47,399
part of something that's that's that big

304
00:12:50,870 --> 00:12:49,680
and it's very humbling to be a part of

305
00:12:53,449 --> 00:12:50,880
something like that that's going to help

306
00:12:54,710 --> 00:12:53,459
people in all Humanities so the

307
00:12:56,269 --> 00:12:54,720
sensation is great

308
00:12:57,410 --> 00:12:56,279
um when we get to the space station we

309
00:12:59,269 --> 00:12:57,420
know we're going to be doing incredible

310
00:13:04,730 --> 00:12:59,279
things for all the people around the

311
00:13:10,790 --> 00:13:07,610
okay so the next question from the phone

312
00:13:12,050 --> 00:13:10,800
line is from Joey roulette from The

313
00:13:14,329 --> 00:13:12,060

Verge

314

00:13:17,030 --> 00:13:14,339

hey thanks for taking my question again

315

00:13:18,769 --> 00:13:17,040

um question for after you go and Thomas

316

00:13:21,410 --> 00:13:18,779

um Isa and Jax are obviously big

317

00:13:22,670 --> 00:13:21,420

Partners in the Artemis program

318

00:13:25,009 --> 00:13:22,680

um and I was wondering will anything

319

00:13:27,650 --> 00:13:25,019

YouTube plan to do on this Mission

320

00:13:30,650 --> 00:13:27,660

inform your own agency's roles in that

321

00:13:32,930 --> 00:13:30,660

program and for each of you do you ever

322

00:13:35,629 --> 00:13:32,940

expect to actually fly uh to the Moon

323

00:13:38,690 --> 00:13:35,639

Under that program thanks

324

00:13:40,129 --> 00:13:38,700

first of all um I I hope we can fly

325

00:13:42,590 --> 00:13:40,139

together

326

00:13:43,730 --> 00:13:42,600

to move to the moon but uh we'll see

327

00:13:44,629 --> 00:13:43,740

about that

328

00:13:46,670 --> 00:13:44,639

um but

329

00:13:49,610 --> 00:13:46,680

um uh we have so many things on our

330

00:13:52,370 --> 00:13:49,620

plate uh uh we don't know where to start

331

00:13:54,650 --> 00:13:52,380

um but uh every single activity every

332

00:13:57,949 --> 00:13:54,660

single experiment every single operation

333

00:14:01,730 --> 00:13:57,959

it leads to the Artemis and Gateway

334

00:14:04,490 --> 00:14:01,740

program so uh we hope to uh accomplished

335

00:14:09,170 --> 00:14:04,500

our missions and uh just uh you know

336

00:14:12,650 --> 00:14:11,509

and yeah same thanks for the question I

337

00:14:15,110 --> 00:14:12,660

like those questions because it's always

338

00:14:16,970 --> 00:14:15,120

a good opportunity to assign a key a key

339

00:14:18,949 --> 00:14:16,980

and to assign myself to fly to the moon

340

00:14:20,329 --> 00:14:18,959

so thanks for that

341

00:14:21,590 --> 00:14:20,339

um but yeah no we have lots of

342

00:14:23,389 --> 00:14:21,600

experiments I mean two in particular

343

00:14:25,790 --> 00:14:23,399

that I can think of that they deal with

344

00:14:28,069 --> 00:14:25,800

uh some future scenarios of uh of

345

00:14:30,410 --> 00:14:28,079

exploration where we'll have astronauts

346

00:14:33,350 --> 00:14:30,420

around Mars or the moon operating

347

00:14:35,329 --> 00:14:33,360

remotely uh Rovers on the surface so we

348

00:14:36,889 --> 00:14:35,339

have two of those experiments um from

349

00:14:39,230 --> 00:14:36,899

Isa at least on both the space station

350

00:14:42,110 --> 00:14:39,240

that we're going to carry out to see how

351
00:14:43,910 --> 00:14:42,120
that plays out and and how this uh from

352
00:14:45,410 --> 00:14:43,920
the control environment in the ISS could

353
00:14:48,710 --> 00:14:45,420
be applied to your future scenarios of

354
00:14:50,389 --> 00:14:48,720
operation so yeah 50 of the experiments

355
00:14:52,009 --> 00:14:50,399
or maybe not that much but a high

356
00:14:54,769 --> 00:14:52,019
percentage of the experiments actually

357
00:14:56,629 --> 00:14:54,779
have exploration in mind so we're fully

358
00:15:00,350 --> 00:14:56,639
geared and fully committed to the next

359
00:15:00,360 --> 00:15:10,730
okay coming up we have Martin avegno

360
00:15:16,069 --> 00:15:13,790
for uh I can't tell Mom are the two of

361
00:15:17,810 --> 00:15:16,079
you allowed to bring any of your native

362
00:15:19,490 --> 00:15:17,820
Cuisine along with you for this

363
00:15:22,610 --> 00:15:19,500

Expedition or are you stuck with the

364

00:15:24,829 --> 00:15:22,620

regular ISS menu

365

00:15:27,769 --> 00:15:24,839

so I think some of the French cheese is

366

00:15:29,870 --> 00:15:27,779

actually not legal on the ISS probably

367

00:15:32,150 --> 00:15:29,880

um but no other than that there's always

368

00:15:35,689 --> 00:15:32,160

especially for Isa every time there's a

369

00:15:37,790 --> 00:15:35,699

there's a Nissan was flying he takes

370

00:15:40,550 --> 00:15:37,800

along some food from his native country

371

00:15:42,710 --> 00:15:40,560

so of course have no exception had some

372

00:15:44,210 --> 00:15:42,720

national pressure to to to bring some

373

00:15:45,290 --> 00:15:44,220

good stuff and also from my crewmates

374

00:15:47,269 --> 00:15:45,300

they were like okay we're flying with a

375

00:15:49,550 --> 00:15:47,279

Frenchman it'd better be good

376

00:15:50,749 --> 00:15:49,560

um so now we've had some special dishes

377

00:15:52,310 --> 00:15:50,759

um developed just for the mission

378

00:15:54,110 --> 00:15:52,320

specifically for that there's there's

379

00:15:55,790 --> 00:15:54,120

six of them I don't want to spoil the

380

00:15:58,670 --> 00:15:55,800

surprise too much but it's like two

381

00:16:01,249 --> 00:15:58,680

complete meals I hope to have enough to

382

00:16:03,050 --> 00:16:01,259

share on some special occasions

383

00:16:04,850 --> 00:16:03,060

um but uh but yeah there's there's

384

00:16:06,230 --> 00:16:04,860

definitely be some really good food and

385

00:16:08,389 --> 00:16:06,240

I know there's some Japanese food as

386

00:16:11,269 --> 00:16:08,399

well yeah unfortunately we don't have

387

00:16:14,449 --> 00:16:11,279

any sushi but we do have some new

388

00:16:17,629 --> 00:16:14,459

Japanese food as well last time I flew

389

00:16:18,769 --> 00:16:17,639

we we had a bunch but there's more uh

390

00:16:20,569 --> 00:16:18,779

newer

391

00:16:26,449 --> 00:16:20,579

um food so looking forward to that and

392

00:16:30,590 --> 00:16:28,790

okay so the next question that we have

393

00:16:33,650 --> 00:16:30,600

social media

394

00:16:38,749 --> 00:16:33,660

year marks the 60th anniversary of

395

00:16:41,870 --> 00:16:38,759

gagarin's flight so for Tomah and Shane

396

00:16:43,069 --> 00:16:41,880

you flew from baikonur now from Kennedy

397

00:16:44,810 --> 00:16:43,079

Space Center what are the main

398

00:16:48,110 --> 00:16:44,820

differences between a Russian lead

399

00:16:50,230 --> 00:16:48,120

flight and an American one

400

00:16:53,150 --> 00:16:50,240

there's a few differences

401
00:16:54,829 --> 00:16:53,160
but you know flying anywhere is amazing

402
00:16:56,150 --> 00:16:54,839
and the experience we had in baikonur

403
00:16:58,310 --> 00:16:56,160
and going through the Russian training

404
00:16:59,990 --> 00:16:58,320
was absolutely fantastic the training

405
00:17:01,610 --> 00:17:00,000
flow was much longer about two to two

406
00:17:03,170 --> 00:17:01,620
and a half years so that's one major

407
00:17:05,270 --> 00:17:03,180
difference and like I mentioned earlier

408
00:17:06,250 --> 00:17:05,280
ours has been about a year just under a

409
00:17:08,929 --> 00:17:06,260
year

410
00:17:10,549 --> 00:17:08,939
you know for me having flown out of

411
00:17:12,409 --> 00:17:10,559
Kennedy before it's always great coming

412
00:17:14,990 --> 00:17:12,419
back here I'm really thrilled to be

413
00:17:16,789 --> 00:17:15,000

launching off of U.S soil again which is

414

00:17:18,110 --> 00:17:16,799

fantastic it'll be tomorrow's first

415

00:17:19,970 --> 00:17:18,120

experience for that so we're looking

416

00:17:22,850 --> 00:17:19,980

forward to seeing his excitement on

417

00:17:24,289 --> 00:17:22,860

launch day for sure but there's so many

418

00:17:26,689 --> 00:17:24,299

differences but a lot of similarities

419

00:17:28,250 --> 00:17:26,699

too right we have the amazing teams

420

00:17:29,990 --> 00:17:28,260

um in the baikonur and the Russian side

421

00:17:31,370 --> 00:17:30,000

that were getting the vehicle ready that

422

00:17:33,110 --> 00:17:31,380

were training us and we had the same

423

00:17:35,150 --> 00:17:33,120

thing here with SpaceX and NASA and the

424

00:17:36,529 --> 00:17:35,160

international Partners so

425

00:17:38,390 --> 00:17:36,539

um you know human space flight kind of

426

00:17:40,190 --> 00:17:38,400

brings a lot of things together and it's

427

00:17:41,870 --> 00:17:40,200

amazing to see what all these different

428

00:17:44,029 --> 00:17:41,880

organizations can do when you have a

429

00:17:46,190 --> 00:17:44,039

common goal

430

00:17:47,930 --> 00:17:46,200

and I'll uh completely second what what

431

00:17:49,430 --> 00:17:47,940

changes said I think it's first of all I

432

00:17:51,710 --> 00:17:49,440

think it's fantastic to have those two

433

00:17:54,230 --> 00:17:51,720

you know means of access to the ISS

434

00:17:56,029 --> 00:17:54,240

right now we need both we need a an East

435

00:17:57,830 --> 00:17:56,039

Road and a West Road because you know

436

00:17:59,690 --> 00:17:57,840

whatever happens to one of these then we

437

00:18:01,430 --> 00:17:59,700

still have the other one open uh that

438

00:18:03,650 --> 00:18:01,440

just brings us that versatility and that

439

00:18:05,930 --> 00:18:03,660

reliability that we need in the in the

440

00:18:08,210 --> 00:18:05,940

ISS program so it's it's just fantastic

441

00:18:09,409 --> 00:18:08,220

to have this available today

442

00:18:11,510 --> 00:18:09,419

um and yeah there's lots of differences

443

00:18:12,409 --> 00:18:11,520

lots of similarities the the good thing

444

00:18:13,669 --> 00:18:12,419

is

445

00:18:15,169 --> 00:18:13,679

um on the soyuz side they've been

446

00:18:17,330 --> 00:18:15,179

they've been launching soyuz's from

447

00:18:18,890 --> 00:18:17,340

biconur for so long that you know all

448

00:18:20,630 --> 00:18:18,900

the Traditions are in place it's very

449

00:18:22,789 --> 00:18:20,640

traditional you know exactly how things

450

00:18:24,529 --> 00:18:22,799

are things are going to happen uh here

451

00:18:26,150 --> 00:18:24,539

at the cape is all brand new so even

452

00:18:29,150 --> 00:18:26,160

though there's some Heritage from from

453

00:18:31,130 --> 00:18:29,160

previous uh vehicles on the U.S side uh

454

00:18:33,470 --> 00:18:31,140

we still get to to create some New

455

00:18:35,390 --> 00:18:33,480

Traditions which is really cool

456

00:18:37,310 --> 00:18:35,400

um one of them is since we're flying

457

00:18:39,650 --> 00:18:37,320

reused boosters uh they're kind of

458

00:18:41,330 --> 00:18:39,660

darkened by their previous re-entry so

459

00:18:43,789 --> 00:18:41,340

we were lucky enough to kind of carve or

460

00:18:46,010 --> 00:18:43,799

not carve sorry I'm sorry I didn't say

461

00:18:47,810 --> 00:18:46,020

that too to draw our initials in the

462

00:18:48,950 --> 00:18:47,820

suit on the on the side of the booster I

463

00:18:50,810 --> 00:18:48,960

don't know if this is going to stick but

464

00:18:52,789 --> 00:18:50,820

I've found it really cool

465

00:18:55,310 --> 00:18:52,799

um so there's so many I feel I'm just so

466

00:18:58,370 --> 00:18:55,320

lucky to have been able to fly on on

467

00:19:01,190 --> 00:18:58,380

different systems because I mean so it's

468

00:19:02,810 --> 00:19:01,200

so much so much history so much

469

00:19:09,169 --> 00:19:02,820

expertise and meeting all these people

470

00:19:09,179 --> 00:19:14,210

we have David Curley from Discovery

471

00:19:18,049 --> 00:19:16,610

um Tomas kind of talked about this and

472

00:19:19,250 --> 00:19:18,059

uh but I think it's probably for Shane

473

00:19:20,870 --> 00:19:19,260

and Megan

474

00:19:22,370 --> 00:19:20,880

um you know your astronaut classes were

475

00:19:24,289 --> 00:19:22,380

a long time ago

476

00:19:27,110 --> 00:19:24,299

um things were slowing down on the

477

00:19:28,909 --> 00:19:27,120

shuttle and there were theories and talk

478

00:19:31,610 --> 00:19:28,919

about what's happening now commercial

479

00:19:34,370 --> 00:19:31,620

crew and as Tomas mentioned the pace is

480

00:19:37,130 --> 00:19:34,380

something as as a couple of astronauts

481

00:19:38,690 --> 00:19:37,140

who've been around for a while uh did

482

00:19:42,169 --> 00:19:38,700

you think it was going to happen can you

483

00:19:46,789 --> 00:19:44,450

so you're right I have been uh fortunate

484

00:19:49,070 --> 00:19:46,799

to be an astronaut for a number of years

485

00:19:51,110 --> 00:19:49,080

and to see the transition from the

486

00:19:53,510 --> 00:19:51,120

shuttle era into this new commercial

487

00:19:55,850 --> 00:19:53,520

crew program era and then you know of

488

00:19:57,830 --> 00:19:55,860

course along the way relying on our

489

00:19:59,870 --> 00:19:57,840

Russian Partners to to get us back and

490

00:20:02,149 --> 00:19:59,880

forth to space so it's been tremendous

491

00:20:04,370 --> 00:20:02,159

to see this accomplishment that was

492

00:20:06,770 --> 00:20:04,380

achieved last year with demo 2 to to

493

00:20:08,510 --> 00:20:06,780

return the ability to launch uh to

494

00:20:10,909 --> 00:20:08,520

American soil it's been really fantastic

495

00:20:13,490 --> 00:20:10,919

to see that and to really be to be able

496

00:20:15,529 --> 00:20:13,500

to watch it all along the way with the

497

00:20:17,330 --> 00:20:15,539

development of the cargo program and be

498

00:20:19,669 --> 00:20:17,340

a part of that as it develops so really

499

00:20:21,350 --> 00:20:19,679

it's been you know it maybe seems like

500

00:20:22,909 --> 00:20:21,360

it's taken a long time but it's been a

501
00:20:25,250 --> 00:20:22,919
careful process and a lot of experience

502
00:20:27,169 --> 00:20:25,260
has been gained along the way so I know

503
00:20:29,450 --> 00:20:27,179
we're all very excited to be a part of

504
00:20:31,669 --> 00:20:29,460
it now and it's neat that there is you

505
00:20:33,230 --> 00:20:31,679
know amongst these four crew members

506
00:20:34,430 --> 00:20:33,240
um The Experience from from three

507
00:20:36,169 --> 00:20:34,440
different vehicles and we're really

508
00:20:39,470 --> 00:20:36,179
fortunate to get to draw on all of that

509
00:20:41,870 --> 00:20:39,480
for this upcoming mission

510
00:20:44,870 --> 00:20:41,880
all right we'll take another phone

511
00:20:47,210 --> 00:20:44,880
question from Kenneth Chang of the New

512
00:20:49,010 --> 00:20:47,220
York Times

513
00:20:51,890 --> 00:20:49,020

thank you it's another question about

514

00:20:53,810 --> 00:20:51,900

Ash enough food for Shannon Megan I was

515

00:20:57,890 --> 00:20:53,820

just wondering if you had to arrange for

516

00:21:01,070 --> 00:20:59,149

as you probably know we have a standard

517

00:21:02,810 --> 00:21:01,080

menu we picked from at least of NASA

518

00:21:05,090 --> 00:21:02,820

food and then we have the opportunity to

519

00:21:06,710 --> 00:21:05,100

pick a few other different things that

520

00:21:09,470 --> 00:21:06,720

uh you know I didn't really pick much

521

00:21:11,990 --> 00:21:09,480

that was different so I'm going to rely

522

00:21:14,210 --> 00:21:12,000

on Aki and tamatic to come through with

523

00:21:15,830 --> 00:21:14,220

a little variety for us up there but the

524

00:21:17,750 --> 00:21:15,840

NASA food actually the variety on that

525

00:21:19,669 --> 00:21:17,760

is actually really great now it has

526

00:21:21,649 --> 00:21:19,679

changed over the years and it's it's

527

00:21:23,990 --> 00:21:21,659

pretty fantastic so and we get to share

528

00:21:26,090 --> 00:21:24,000

with our Russians as well so we'll have

529

00:21:27,950 --> 00:21:26,100

a lot of different Cuisines up there we

530

00:21:29,870 --> 00:21:27,960

do get to send some kind of

531

00:21:31,970 --> 00:21:29,880

off-the-shelf things that we we

532

00:21:33,470 --> 00:21:31,980

personally pick as well so there's some

533

00:21:36,230 --> 00:21:33,480

of that kind of stuff coming up for us

534

00:21:38,149 --> 00:21:36,240

making anything special well just that

535

00:21:40,010 --> 00:21:38,159

what one thing that I benefit from is

536

00:21:42,890 --> 00:21:40,020

that Bob since he was there so recently

537

00:21:44,450 --> 00:21:42,900

he when he came home he really told me

538

00:21:45,529 --> 00:21:44,460

hey variety is going to be key you get

539

00:21:47,750 --> 00:21:45,539

you know hot sauces and different

540

00:21:48,710 --> 00:21:47,760

flavors that you want to and things that

541

00:21:50,510 --> 00:21:48,720

you'll be able to share with your

542

00:21:52,430 --> 00:21:50,520

crewmate so he was able to go to the

543

00:21:54,049 --> 00:21:52,440

store and buy some off-the-shelf items

544

00:21:57,169 --> 00:21:54,059

that he's planning to send up for so I'm

545

00:21:59,630 --> 00:21:57,179

looking forward to seeing what that is

546

00:22:03,010 --> 00:21:59,640

okay we're gonna go back to some social

547

00:22:08,330 --> 00:22:03,020

media questions uh from at major major

548

00:22:10,909 --> 00:22:08,340

42. what are those Mach 25 patches

549

00:22:13,130 --> 00:22:10,919

well only three of us have those and uh

550

00:22:14,930 --> 00:22:13,140

and it's it's a speed that we got to

551
00:22:16,490 --> 00:22:14,940
either in shuttle or so we use the

552
00:22:19,909 --> 00:22:16,500
previous Vehicles we flew and I'll let

553
00:22:21,950 --> 00:22:19,919
Megan tell you about her special patch

554
00:22:23,270 --> 00:22:21,960
mission that I flew was to the Hubble

555
00:22:25,490 --> 00:22:23,280
Space Telescope which is in a different

556
00:22:27,350 --> 00:22:25,500
orbit orbit than the International Space

557
00:22:29,270 --> 00:22:27,360
Station and in order to get there you're

558
00:22:31,610 --> 00:22:29,280
going slightly faster at Main engine

559
00:22:33,950 --> 00:22:31,620
cutoff or Mikko than you would be if you

560
00:22:35,750 --> 00:22:33,960
were doing a Station Mission so for the

561
00:22:39,470 --> 00:22:35,760
for the station missions you cut off

562
00:22:42,770 --> 00:22:39,480
something like 25.9 and uh for the for

563
00:22:44,690 --> 00:22:42,780

the Hubble Mission we got to 26.08 so uh

564

00:22:48,529 --> 00:22:44,700

our commander had these special Mach 26

565

00:22:54,470 --> 00:22:51,950

well that's uh that's definitely a treat

566

00:22:56,990 --> 00:22:54,480

for y'all that's amazing so we have

567

00:23:00,350 --> 00:22:57,000

another one from social media

568

00:23:02,450 --> 00:23:00,360

uh from Wayward plain what's going

569

00:23:07,549 --> 00:23:02,460

through your mind as you're waiting for

570

00:23:12,770 --> 00:23:10,190

I don't know um so we'll be uh you know

571

00:23:14,990 --> 00:23:12,780

looking ahead at the Timeline thinking

572

00:23:17,330 --> 00:23:15,000

ahead and making sure that we know

573

00:23:19,610 --> 00:23:17,340

what's coming and uh if something

574

00:23:21,890 --> 00:23:19,620

happens what to do

575

00:23:25,730 --> 00:23:21,900

um but uh on top of that I think we're

576

00:23:27,830 --> 00:23:25,740

just gonna think about the the joyride I

577

00:23:32,270 --> 00:23:27,840

guess um how much we're going to enjoy

578

00:23:34,130 --> 00:23:32,280

that ride and uh just anticipate that

579

00:23:35,870 --> 00:23:34,140

I'll add a little bit to that so in the

580

00:23:37,549 --> 00:23:35,880

next few days we have a little bit of

581

00:23:38,870 --> 00:23:37,559

training to do we're obviously well

582

00:23:40,730 --> 00:23:38,880

trained and ready to go but we'll

583

00:23:42,350 --> 00:23:40,740

refresh a few things and then our

584

00:23:44,149 --> 00:23:42,360

families and guests will start showing

585

00:23:45,890 --> 00:23:44,159

up so that's an exciting time and we'll

586

00:23:47,570 --> 00:23:45,900

get to spend the last uh at least parts

587

00:23:49,310 --> 00:23:47,580

of the last few days with them before we

588

00:23:51,590 --> 00:23:49,320

go

589

00:23:54,470 --> 00:23:51,600

all right and this this be our last

590

00:23:56,750 --> 00:23:54,480

question so what advice would you give

591

00:23:59,510 --> 00:23:56,760

to Stu students or young people watching

592

00:24:02,450 --> 00:23:59,520

that may want to pursue a career in stem

593

00:24:05,450 --> 00:24:02,460

and I'm sure all of y'all have something

594

00:24:08,330 --> 00:24:05,460

to say about that

595

00:24:09,769 --> 00:24:08,340

sure I'll I'll start off um I was given

596

00:24:12,350 --> 00:24:09,779

some great advice when I was a student

597

00:24:14,269 --> 00:24:12,360

who was aspiring to be an astronaut and

598

00:24:16,070 --> 00:24:14,279

the advice that I was given was to

599

00:24:18,049 --> 00:24:16,080

figure out what it is that you love to

600

00:24:20,090 --> 00:24:18,059

do and then work to be really good at

601
00:24:21,769 --> 00:24:20,100
that thing because if you try to choose

602
00:24:24,049 --> 00:24:21,779
something you think is going to make you

603
00:24:25,730 --> 00:24:24,059
look good as a potential astronaut but

604
00:24:27,470 --> 00:24:25,740
you don't love doing that thing you're

605
00:24:29,029 --> 00:24:27,480
never going to be really good at it so

606
00:24:30,649 --> 00:24:29,039
figure out what it is that you love to

607
00:24:37,310 --> 00:24:30,659
do and then put all your energy into

608
00:24:43,010 --> 00:24:40,570
and um one one thing that I usually tell

609
00:24:44,930 --> 00:24:43,020
students is that no I mean everything is

610
00:24:47,210 --> 00:24:44,940
possible Right everything is possible we

611
00:24:48,529 --> 00:24:47,220
live in a world at a at a time in

612
00:24:50,930 --> 00:24:48,539
societies where pretty much everything

613
00:24:52,490 --> 00:24:50,940

is possible but nothing is easy and it's

614

00:24:54,049 --> 00:24:52,500

very difficult to be confused between

615

00:24:55,730 --> 00:24:54,059

the two it's not because it's possible

616

00:24:57,710 --> 00:24:55,740

to become a nationalized it's easy but

617

00:24:59,630 --> 00:24:57,720

it's the same with everything it's it's

618

00:25:02,029 --> 00:24:59,640

completely okay to struggle it's

619

00:25:04,210 --> 00:25:02,039

completely okay to have to work hard I

620

00:25:06,769 --> 00:25:04,220

mean we will have to work hard to become

621

00:25:08,510 --> 00:25:06,779

astronauts or Engineers or scientists or

622

00:25:10,070 --> 00:25:08,520

Pilots he never came easy at least it

623

00:25:12,289 --> 00:25:10,080

didn't come easy to me

624

00:25:14,210 --> 00:25:12,299

um so it's okay to to struggle it's okay

625

00:25:16,130 --> 00:25:14,220

to think that that everything is is

626

00:25:18,230 --> 00:25:16,140

difficult because because that's how

627

00:25:20,269 --> 00:25:18,240

it's supposed to feel like it's not it's

628

00:25:22,310 --> 00:25:20,279

not something you should be afraid of

629

00:25:24,529 --> 00:25:22,320

but it's really hard work that in the

630

00:25:26,149 --> 00:25:24,539

end pays off and and not even really

631

00:25:28,610 --> 00:25:26,159

know that when I was a kid so I wish

632

00:25:30,830 --> 00:25:28,620

somebody had maybe told me in a little

633

00:25:33,769 --> 00:25:30,840

bit more uh specific terms so now I'm

634

00:25:35,870 --> 00:25:33,779

trying to pass on their word of advice

635

00:25:38,870 --> 00:25:35,880

thank you for advice I'll take it for

636

00:25:41,269 --> 00:25:38,880

myself as well so unfortunately we are

637

00:25:43,669 --> 00:25:41,279

out of time for questions and apologize

638

00:25:45,409 --> 00:25:43,679

if we didn't get to yours today and

639

00:25:47,690 --> 00:25:45,419

since this is our last time to speak

640

00:25:50,810 --> 00:25:47,700

with the crew before the launch we want

641

00:25:53,330 --> 00:25:50,820

to wish you good luck and uh we will be

642

00:25:56,049 --> 00:25:53,340

cheering you on be sure to tune in for

643

00:25:59,750 --> 00:25:56,059

launch day on Thursday April 22nd

644

00:26:05,210 --> 00:25:59,760

coverage begins at 2 A.M Eastern Time on

645

00:26:23,520 --> 00:26:05,220

NASA TV and online at nasa.gov live

646

00:26:23,530 --> 00:26:31,510

[Music]

647

00:26:31,520 --> 00:26:35,510

thank you