



1  
00:00:02,800 --> 00:00:27,189

[Music]

2  
00:00:49,110 --> 00:00:29,750

this is nasa tv

3  
00:00:51,189 --> 00:00:49,120

[Music]

4  
00:00:53,350 --> 00:00:51,199  
good afternoon and welcome to today's

5  
00:00:55,189 --> 00:00:53,360  
final briefing on the upcoming crew one

6  
00:00:56,869 --> 00:00:55,199  
mission this will be the first

7  
00:00:59,189 --> 00:00:56,879  
operational flight with astronauts

8  
00:01:01,189 --> 00:00:59,199  
aboard the crew dragon spacecraft and

9  
00:01:03,430 --> 00:01:01,199  
falcon 9 rocket to the international

10  
00:01:05,830 --> 00:01:03,440  
space station we are excited to be

11  
00:01:08,390 --> 00:01:05,840  
joined by the astronauts of that mission

12  
00:01:10,710 --> 00:01:08,400  
nasa astronauts shannon walker victor

13  
00:01:13,270 --> 00:01:10,720

glover mike hopkins

14

00:01:15,510 --> 00:01:13,280  
and japan aerospace exploration agency

15

00:01:19,350 --> 00:01:15,520  
astronaut suichi naguchi they are

16

00:01:22,390 --> 00:01:19,360  
scheduled to launch on october 31st

17

00:01:24,630 --> 00:01:22,400  
shannon walker is the mission specialist

18

00:01:26,390 --> 00:01:24,640  
for crew one shannon was selected as an

19

00:01:27,990 --> 00:01:26,400  
astronaut in 2004

20

00:01:29,510 --> 00:01:28,000  
she launched the international space

21

00:01:32,390 --> 00:01:29,520  
station aboard a russian soyuz

22

00:01:35,270 --> 00:01:32,400  
spacecraft and spent 161 days in space

23

00:01:37,990 --> 00:01:35,280  
in 2010 shannon is a houston native and

24

00:01:40,310 --> 00:01:38,000  
has a phd in space physics

25

00:01:42,550 --> 00:01:40,320  
next we have victor glover victor is the

26

00:01:44,789 --> 00:01:42,560

pilot of the crew dragon spacecraft and

27

00:01:46,870 --> 00:01:44,799

second in command for the mission he was

28

00:01:49,350 --> 00:01:46,880

selected as an astronaut in 2013 and

29

00:01:51,270 --> 00:01:49,360

this will be his first space flight he's

30

00:01:52,789 --> 00:01:51,280

a california native and holds degrees in

31

00:01:54,950 --> 00:01:52,799

flight test engineering systems

32

00:01:57,350 --> 00:01:54,960

engineering and military operational art

33

00:01:59,270 --> 00:01:57,360

and science he is a naval aviator a

34

00:02:01,910 --> 00:01:59,280

commander in the us navy and was a test

35

00:02:03,910 --> 00:02:01,920

pilot in the u.s navy

36

00:02:06,230 --> 00:02:03,920

next mike hopkins is the commander of

37

00:02:08,949 --> 00:02:06,240

the crew dragon spacecraft and crew one

38

00:02:12,390 --> 00:02:08,959

mission he was selected as an astronaut

39

00:02:15,670 --> 00:02:12,400

in 2009 and spent 166 days aboard the

40

00:02:16,869 --> 00:02:15,680

space station during expeditions 37 and

41

00:02:18,630 --> 00:02:16,879

38.

42

00:02:20,550 --> 00:02:18,640

mike grew up on a farm outside richland

43

00:02:22,630 --> 00:02:20,560

missouri has degrees in aerospace

44

00:02:24,229 --> 00:02:22,640

engineering and is a colonel in the us

45

00:02:26,470 --> 00:02:24,239

air force

46

00:02:29,110 --> 00:02:26,480

finally suicinaguchi will also be a

47

00:02:31,030 --> 00:02:29,120

mission specialist for crew one he was

48

00:02:33,750 --> 00:02:31,040

selected as an astronaut candidate in

49

00:02:36,070 --> 00:02:33,760

1996 and is a veteran of two space

50

00:02:39,110 --> 00:02:36,080

flights he launched on the space shuttle

51  
00:02:42,550 --> 00:02:39,120  
discovery for sts-114 return to flight

52  
00:02:45,350 --> 00:02:42,560  
in 2005 and aboard a soyuz spacecraft in

53  
00:02:47,350 --> 00:02:45,360  
2009. the crew dragon will be the third

54  
00:02:49,270 --> 00:02:47,360  
spacecraft that suici has flown to the

55  
00:02:51,030 --> 00:02:49,280  
space station on

56  
00:02:53,350 --> 00:02:51,040  
now we'll hear brief remarks from the

57  
00:02:56,150 --> 00:02:53,360  
crew and then we'll take questions on

58  
00:02:58,470 --> 00:02:56,160  
the phone please press star 1 to ask a

59  
00:02:59,430 --> 00:02:58,480  
question and star 2 to withdraw a

60  
00:03:04,550 --> 00:02:59,440  
question

61  
00:03:06,949 --> 00:03:04,560  
media using the hashtag asknasa

62  
00:03:07,830 --> 00:03:06,959  
mike over to you for some remarks thanks

63  
00:03:09,350 --> 00:03:07,840

megan

64

00:03:11,910 --> 00:03:09,360

uh first i just want to thank everyone

65

00:03:13,670 --> 00:03:11,920

that's joining us today and i'd like to

66

00:03:14,710 --> 00:03:13,680

just start off with a few thoughts uh

67

00:03:16,149 --> 00:03:14,720

first

68

00:03:18,070 --> 00:03:16,159

crew one is ready

69

00:03:20,390 --> 00:03:18,080

uh you know we've didn't become a full

70

00:03:23,990 --> 00:03:20,400

crew until actually uh late february

71

00:03:26,149 --> 00:03:24,000

early march and uh and and since that

72

00:03:28,470 --> 00:03:26,159

time the crew and the entire training

73

00:03:30,470 --> 00:03:28,480

team has done an amazing job of getting

74

00:03:32,550 --> 00:03:30,480

us ready and to this point

75

00:03:34,390 --> 00:03:32,560

uh it certainly helps when you when you

76

00:03:36,149 --> 00:03:34,400

uh have a short timeline like this that

77

00:03:39,270 --> 00:03:36,159

you add experienced crew members and and

78

00:03:41,750 --> 00:03:39,280

certainly uh suici and shannon they fall

79

00:03:43,910 --> 00:03:41,760

into that into that category uh so i'm

80

00:03:46,390 --> 00:03:43,920

very excited to be sitting here next to

81

00:03:49,350 --> 00:03:46,400

victor shannon and suici we've had a lot

82

00:03:51,110 --> 00:03:49,360

of fun in our training and uh and not

83

00:03:53,270 --> 00:03:51,120

only are they great astronauts but

84

00:03:55,429 --> 00:03:53,280

they're they're also great people

85

00:03:57,350 --> 00:03:55,439

second i'd like to thank our families

86

00:04:00,070 --> 00:03:57,360

space flight training for space flight

87

00:04:02,789 --> 00:04:00,080

can be uh very difficult challenging uh

88

00:04:04,550 --> 00:04:02,799

for for the families and this year has

89

00:04:06,869 --> 00:04:04,560

has added a few extra challenges if you

90

00:04:08,710 --> 00:04:06,879

will and our families have done a great

91

00:04:10,229 --> 00:04:08,720

job they've been

92

00:04:11,589 --> 00:04:10,239

very supportive throughout all of this

93

00:04:13,990 --> 00:04:11,599

and so i think all of us are very

94

00:04:15,910 --> 00:04:14,000

grateful to get to share this experience

95

00:04:17,909 --> 00:04:15,920

with with our families

96

00:04:21,270 --> 00:04:17,919

third you heard megan mentioned that our

97

00:04:23,030 --> 00:04:21,280

launch is now on the 31st of october and

98

00:04:25,909 --> 00:04:23,040

so that is a slip of a little over a

99

00:04:27,430 --> 00:04:25,919

week since uh from the 23rd of october

100

00:04:29,110 --> 00:04:27,440

you know the crew actually doesn't have

101  
00:04:31,350 --> 00:04:29,120  
a lot of control over the launch dates

102  
00:04:33,590 --> 00:04:31,360  
uh but what we do have a control on is

103  
00:04:35,590 --> 00:04:33,600  
is our readiness and so we're going to

104  
00:04:37,430 --> 00:04:35,600  
uh work very closely with our training

105  
00:04:39,749 --> 00:04:37,440  
team with our with our leadership team

106  
00:04:41,670 --> 00:04:39,759  
and make sure uh we're maintaining our

107  
00:04:44,150 --> 00:04:41,680  
readiness uh as we as we work through

108  
00:04:46,469 --> 00:04:44,160  
these slips to to the launch date

109  
00:04:48,070 --> 00:04:46,479  
and then finally i just wanted to uh to

110  
00:04:51,110 --> 00:04:48,080  
say thank you thank you to all the

111  
00:04:52,469 --> 00:04:51,120  
people at spacex at nasa around this

112  
00:04:54,310 --> 00:04:52,479  
country and around the world that have

113  
00:04:57,990 --> 00:04:54,320

helped us get to this point it's it is

114

00:05:00,629 --> 00:04:58,000

very exciting to be a part of a new era

115

00:05:02,550 --> 00:05:00,639

in the human space flight program where

116

00:05:04,469 --> 00:05:02,560

we're using commercial companies now to

117

00:05:06,790 --> 00:05:04,479

get us to the international space

118

00:05:08,950 --> 00:05:06,800

station i think for all of us we feel

119

00:05:11,990 --> 00:05:08,960

very privileged and very humbled to play

120

00:05:13,510 --> 00:05:12,000

a small part in that victor yeah and

121

00:05:16,150 --> 00:05:13,520

before we get started i just wanted to

122

00:05:17,510 --> 00:05:16,160

briefly just also express some gratitude

123

00:05:19,189 --> 00:05:17,520

i want to thank god for getting us to

124

00:05:20,790 --> 00:05:19,199

this point i want to thank my family for

125

00:05:22,550 --> 00:05:20,800

their love and support and for all of

126

00:05:23,909 --> 00:05:22,560

the nasa and spacex folks and to our

127

00:05:26,150 --> 00:05:23,919

partners all over the globe that have

128

00:05:28,310 --> 00:05:26,160

gotten us to this point uh amidst this

129

00:05:29,909 --> 00:05:28,320

global pandemic uh thank you so much for

130

00:05:31,670 --> 00:05:29,919

for all that you've done

131

00:05:33,110 --> 00:05:31,680

with that i'll hand it off to suicide

132

00:05:34,950 --> 00:05:33,120

thank you

133

00:05:35,990 --> 00:05:34,960

i'm very happy to be here as a part of

134

00:05:40,150 --> 00:05:36,000

this

135

00:05:43,270 --> 00:05:40,160

flight for the operation to the

136

00:05:45,110 --> 00:05:43,280

returners and space station and my my

137

00:05:47,909 --> 00:05:45,120

heart's off to the all the nasa team

138

00:05:50,790 --> 00:05:47,919

manchester team and the spacex team to

139

00:06:05,430 --> 00:05:50,800

make this mission successful

140

00:06:09,270 --> 00:06:07,590

um so

141

00:06:11,110 --> 00:06:09,280

again i just want to echo my crewmates

142

00:06:13,909 --> 00:06:11,120

and saying thank you to all the people

143

00:06:15,510 --> 00:06:13,919

that have made this flight possible um

144

00:06:17,350 --> 00:06:15,520

as mike said we joined a little bit

145

00:06:19,990 --> 00:06:17,360

later soichi and i so it's been a very

146

00:06:22,230 --> 00:06:20,000

intense six months worth of training but

147

00:06:25,110 --> 00:06:22,240

we are ready and i am very excited to

148

00:06:27,270 --> 00:06:25,120

get back to the space station

149

00:06:29,110 --> 00:06:27,280

thanks everyone all right let's go back

150

00:06:30,469 --> 00:06:29,120

to mike i think you have a special

151  
00:06:32,710 --> 00:06:30,479  
update for us

152  
00:06:34,070 --> 00:06:32,720  
that's right megan so

153  
00:06:35,430 --> 00:06:34,080  
you know before we get started with the

154  
00:06:37,909 --> 00:06:35,440  
questions we did have one more

155  
00:06:39,590 --> 00:06:37,919  
announcement that we wanted to make so

156  
00:06:41,430 --> 00:06:39,600  
as most of you are probably aware

157  
00:06:44,629 --> 00:06:41,440  
shortly after getting on orbit for the

158  
00:06:46,469 --> 00:06:44,639  
dm2 mission uh doug and bob

159  
00:06:49,270 --> 00:06:46,479  
announced the name of their vehicle

160  
00:06:51,350 --> 00:06:49,280  
endeavor and so we think that's a a

161  
00:06:52,950 --> 00:06:51,360  
great tradition and we're uh we're

162  
00:06:55,589 --> 00:06:52,960  
excited about the opportunity to name

163  
00:06:57,270 --> 00:06:55,599

our vehicle however uh rather than wait

164

00:07:00,070 --> 00:06:57,280

until we got on orbit we thought we

165

00:07:02,390 --> 00:07:00,080

would share that with you today

166

00:07:05,029 --> 00:07:02,400

so without further ado the the crew one

167

00:07:06,790 --> 00:07:05,039

dragon capsule number two zero seven

168

00:07:07,749 --> 00:07:06,800

will henceforth be known by the call

169

00:07:09,110 --> 00:07:07,759

sign

170

00:07:11,510 --> 00:07:09,120

resilience

171

00:07:13,990 --> 00:07:11,520

uh so as you look at the definition of

172

00:07:16,629 --> 00:07:14,000

resilience uh you know that means uh

173

00:07:18,790 --> 00:07:16,639

functioning well in times of stress or

174

00:07:21,430 --> 00:07:18,800

overcoming adverse events and and so i

175

00:07:23,909 --> 00:07:21,440

think all of us can agree that 2020 has

176

00:07:27,510 --> 00:07:23,919

certainly been a a challenging year

177

00:07:30,710 --> 00:07:27,520

global pandemic economic hardships

178

00:07:31,909 --> 00:07:30,720

civil unrest isolation and despite all

179

00:07:35,110 --> 00:07:31,919

of that

180

00:07:37,110 --> 00:07:35,120

spacex nasa has kept the production line

181

00:07:39,110 --> 00:07:37,120

open and finished this amazing vehicle

182

00:07:40,710 --> 00:07:39,120

that's getting ready to go on its maiden

183

00:07:43,189 --> 00:07:40,720

flight to the international space

184

00:07:46,230 --> 00:07:43,199

station and so the name resilience

185

00:07:48,790 --> 00:07:46,240

is is really in honor of the spacex and

186

00:07:50,710 --> 00:07:48,800

the nasa teams and quite frankly it's in

187

00:07:53,110 --> 00:07:50,720

honor of our families of our colleagues

188

00:07:54,869 --> 00:07:53,120

of our fellow citizens of uh our

189

00:07:56,070 --> 00:07:54,879

international partners and our leaders

190

00:07:58,230 --> 00:07:56,080

that have all

191

00:08:00,150 --> 00:07:58,240

shown that same that same quality same

192

00:08:01,430 --> 00:08:00,160

characteristics through these difficult

193

00:08:02,950 --> 00:08:01,440

times

194

00:08:05,270 --> 00:08:02,960

if if you look at our patch you'll

195

00:08:07,189 --> 00:08:05,280

notice that um on the border there's no

196

00:08:09,510 --> 00:08:07,199

names there's no flags and that was by

197

00:08:11,350 --> 00:08:09,520

design because that patch it doesn't

198

00:08:13,430 --> 00:08:11,360

just represent the four of us but it

199

00:08:15,430 --> 00:08:13,440

really represents the countless people

200

00:08:17,270 --> 00:08:15,440

that have contributed to to getting the

201  
00:08:18,790 --> 00:08:17,280  
vehicle ready and getting us ready for

202  
00:08:21,990 --> 00:08:18,800  
this mission and so

203  
00:08:24,230 --> 00:08:22,000  
uh the that same theme applies to the

204  
00:08:26,790 --> 00:08:24,240  
the name of this vehicle resilience it

205  
00:08:29,350 --> 00:08:26,800  
is not just a connection for the four of

206  
00:08:32,310 --> 00:08:29,360  
us but we really feel like it is a a

207  
00:08:34,550 --> 00:08:32,320  
connection to all of you to everybody uh

208  
00:08:37,110 --> 00:08:34,560  
we hope that it brings a smile to your

209  
00:08:38,949 --> 00:08:37,120  
face i hope we hope that it uh provides

210  
00:08:40,310 --> 00:08:38,959  
something positive in your lives and

211  
00:08:41,829 --> 00:08:40,320  
quite frankly we hope that it's an

212  
00:08:43,829 --> 00:08:41,839  
inspiration

213  
00:08:45,990 --> 00:08:43,839

that uh that it shows

214

00:08:48,310 --> 00:08:46,000

uh when you work together uh there's no

215

00:08:50,710 --> 00:08:48,320

limit to what you can achieve so uh with

216

00:08:52,470 --> 00:08:50,720

that uh the name brazilians we're all

217

00:08:55,110 --> 00:08:52,480

very excited about but uh we're ready

218

00:08:56,710 --> 00:08:55,120

for questions good words

219

00:08:59,030 --> 00:08:56,720

that's awesome thank you so much for

220

00:09:01,350 --> 00:08:59,040

sharing that um now we'll get on to some

221

00:09:03,910 --> 00:09:01,360

questions let's start with marcia dunn

222

00:09:06,150 --> 00:09:03,920

with associated press

223

00:09:08,150 --> 00:09:06,160

yes hi i suppose this question's for one

224

00:09:10,070 --> 00:09:08,160

of the two pilots

225

00:09:11,829 --> 00:09:10,080

do you consider i know this is the first

226

00:09:13,829 --> 00:09:11,839

operational mission but do you also see

227

00:09:16,150 --> 00:09:13,839

it as sort of a a

228

00:09:18,230 --> 00:09:16,160

truncated test flight if you will since

229

00:09:20,389 --> 00:09:18,240

you're only the second flight and by

230

00:09:23,350 --> 00:09:20,399

operational do you think that implies

231

00:09:25,269 --> 00:09:23,360

that this is becoming routine a dragon's

232

00:09:27,750 --> 00:09:25,279

flying cruise and talk a little bit

233

00:09:29,750 --> 00:09:27,760

about some of the safety upgrades made

234

00:09:31,030 --> 00:09:29,760

from the first mission et cetera thanks

235

00:09:33,030 --> 00:09:31,040

so much

236

00:09:35,590 --> 00:09:33,040

yeah you bet i'll start off and i'll let

237

00:09:37,910 --> 00:09:35,600

ike uh uh time in as well but you know

238

00:09:40,470 --> 00:09:37,920

with space flight unfortunately there's

239

00:09:42,070 --> 00:09:40,480

usually nothing routine about it um

240

00:09:43,910 --> 00:09:42,080

you know you do sometimes get into a

241

00:09:45,829 --> 00:09:43,920

rhythm with it but it's always a very

242

00:09:47,430 --> 00:09:45,839

dangerous business and

243

00:09:50,389 --> 00:09:47,440

and so uh you know you always have to

244

00:09:53,269 --> 00:09:50,399

take that very seriously uh certainly um

245

00:09:55,590 --> 00:09:53,279

you know the dm2 mission was the the

246

00:09:58,150 --> 00:09:55,600

official demonstration uh test flight of

247

00:09:59,990 --> 00:09:58,160

this vehicle however we are going to see

248

00:10:01,829 --> 00:10:00,000

a lot of firsts uh when we get up there

249

00:10:03,829 --> 00:10:01,839

and fly uh it's the first time we're

250

00:10:06,550 --> 00:10:03,839

taking four crew on board and so that

251

00:10:08,790 --> 00:10:06,560

puts uh more challenges on the

252

00:10:10,630 --> 00:10:08,800

environmental control systems and and

253

00:10:12,790 --> 00:10:10,640

things of that nature it's going to stay

254

00:10:14,150 --> 00:10:12,800

up there for six months versus two

255

00:10:16,630 --> 00:10:14,160

months and and so we're still going to

256

00:10:18,470 --> 00:10:16,640

be learning about things

257

00:10:20,949 --> 00:10:18,480

regarding time and space and the impacts

258

00:10:22,710 --> 00:10:20,959

of that that environment and so we

259

00:10:24,310 --> 00:10:22,720

recognize that it is

260

00:10:26,310 --> 00:10:24,320

a certified vehicle but we also

261

00:10:28,310 --> 00:10:26,320

recognize that there's going to be

262

00:10:29,910 --> 00:10:28,320

some new features and i'll let ike talk

263

00:10:30,630 --> 00:10:29,920

about some of those new capabilities

264

00:10:32,790 --> 00:10:30,640

that

265

00:10:34,790 --> 00:10:32,800

we will potentially be demonstrating

266

00:10:37,110 --> 00:10:34,800

while we're on board absolutely so our

267

00:10:39,030 --> 00:10:37,120

vehicle has new hardware uh for example

268

00:10:41,030 --> 00:10:39,040

we are a little more robust to uh the

269

00:10:42,949 --> 00:10:41,040

loads that splashdown we also have new

270

00:10:44,870 --> 00:10:42,959

software that enables us to undock from

271

00:10:47,190 --> 00:10:44,880

one docking port say the forward docking

272

00:10:49,430 --> 00:10:47,200

port and then reposition to the zenith

273

00:10:51,190 --> 00:10:49,440

the one that's on top um we also have

274

00:10:53,430 --> 00:10:51,200

floor crew as mike mentioned earlier all

275

00:10:55,430 --> 00:10:53,440

of those things are our features that we

276

00:10:56,949 --> 00:10:55,440

will be exercising for the first time

277

00:10:58,069 --> 00:10:56,959

um but also

278

00:10:59,110 --> 00:10:58,079

um

279

00:11:05,829 --> 00:10:59,120

the

280

00:11:07,750 --> 00:11:05,839

test mission our mission is like an

281

00:11:09,829 --> 00:11:07,760

operational test mission so as soon as

282

00:11:11,269 --> 00:11:09,839

we hit day 64 that's going to be the

283

00:11:12,630 --> 00:11:11,279

first time a crew dragon at the space

284

00:11:14,550 --> 00:11:12,640

station has reached that milestone and

285

00:11:18,069 --> 00:11:14,560

then every day after that will be will

286

00:11:23,350 --> 00:11:20,389

question let's go to lauren gresh with

287

00:11:28,230 --> 00:11:25,910

hi thank you so much uh this my question

288

00:11:30,470 --> 00:11:28,240

is for the american astronauts uh you're

289

00:11:33,269 --> 00:11:30,480

currently slated to fly right before a

290

00:11:35,190 --> 00:11:33,279

very big election and uh your fellow

291

00:11:37,030 --> 00:11:35,200

astronaut kate rubin says she plans to

292

00:11:39,110 --> 00:11:37,040

vote from space i'm curious if you'll be

293

00:11:41,990 --> 00:11:39,120

doing the same or if you will be early

294

00:11:42,870 --> 00:11:42,000

voting just in case

295

00:11:44,470 --> 00:11:42,880

um

296

00:11:46,949 --> 00:11:44,480

all of us are planning on voting from

297

00:11:49,430 --> 00:11:46,959

space uh nasa works very well with the

298

00:11:50,870 --> 00:11:49,440

different election um

299

00:11:52,550 --> 00:11:50,880

organizations because we're all voting

300

00:11:54,949 --> 00:11:52,560

in different from different counties but

301

00:11:56,150 --> 00:11:54,959

uh it was easiest for us just to say we

302

00:11:58,629 --> 00:11:56,160

were going to vote for space so that's

303

00:12:00,790 --> 00:11:58,639

what we're going to do

304

00:12:04,790 --> 00:12:00,800

all right let's go to michael sheets

305

00:12:09,110 --> 00:12:07,190

hi all i you all come from very very

306

00:12:10,949 --> 00:12:09,120

different backgrounds both in terms of

307

00:12:13,030 --> 00:12:10,959

your experiences

308

00:12:15,910 --> 00:12:13,040

with space flights some you know

309

00:12:17,269 --> 00:12:15,920

victories your first uh

310

00:12:19,509 --> 00:12:17,279

your third

311

00:12:21,269 --> 00:12:19,519

i'm curious as you guys have gotten to

312

00:12:23,990 --> 00:12:21,279

jail as a team what what is that

313

00:12:25,750 --> 00:12:24,000

experience like uh getting no one in one

314

00:12:29,430 --> 00:12:25,760

another in the last few months as well

315

00:12:31,829 --> 00:12:29,440

as uh wrapping up your training together

316

00:12:33,990 --> 00:12:31,839

you know i'll start off with that um and

317

00:12:35,430 --> 00:12:34,000

then maybe i'll let the uh the guy

318

00:12:38,870 --> 00:12:35,440

that's uh getting ready for his third

319

00:12:41,590 --> 00:12:38,880

space flight add to it but uh you know

320

00:12:44,069 --> 00:12:41,600

that has been what's made this this crew

321

00:12:45,910 --> 00:12:44,079

i think so special uh you know you look

322

00:12:47,829 --> 00:12:45,920

at victor and and yeah this is his first

323

00:12:49,509 --> 00:12:47,839

flight but he brings a wealth of

324

00:12:52,389 --> 00:12:49,519

experience operational experience with

325

00:12:54,069 --> 00:12:52,399

the navy to the table and and so you

326

00:12:56,069 --> 00:12:54,079

know it doesn't matter that he's as a

327

00:12:56,949 --> 00:12:56,079

rookie from space flight perspective he

328

00:13:01,670 --> 00:12:56,959

he

329

00:13:03,670 --> 00:13:01,680

i really rely on his advice uh you know

330

00:13:05,030 --> 00:13:03,680

shannon has has flown before she's been

331

00:13:07,269 --> 00:13:05,040

around nasa

332

00:13:08,470 --> 00:13:07,279

for uh for quite a while here at johnson

333

00:13:10,389 --> 00:13:08,480

space center

334

00:13:12,310 --> 00:13:10,399

and it's the same kind of thing right

335

00:13:14,870 --> 00:13:12,320

that that bringing that experience to

336

00:13:17,430 --> 00:13:14,880

the table uh both she and suici have

337

00:13:19,190 --> 00:13:17,440

trained as a left seat flyer on the

338

00:13:20,870 --> 00:13:19,200

soyuz and so even though in this

339

00:13:22,710 --> 00:13:20,880

particular capsule

340

00:13:24,550 --> 00:13:22,720

they don't have access to all of the

341

00:13:25,990 --> 00:13:24,560

controls all the displays like victor

342

00:13:27,670 --> 00:13:26,000

and i do

343

00:13:29,350 --> 00:13:27,680

we still take advantage of their

344

00:13:30,629 --> 00:13:29,360

experience of their advice of the you

345

00:13:31,990 --> 00:13:30,639

know sometimes they're sitting there and

346

00:13:33,990 --> 00:13:32,000

they see things

347

00:13:36,470 --> 00:13:34,000

that victor and i may not see because

348

00:13:38,949 --> 00:13:36,480

we're we're busy on the displays and so

349

00:13:41,509 --> 00:13:38,959

uh the the opportunity to to take

350

00:13:43,110 --> 00:13:41,519

advantage of that experience has has

351  
00:13:44,790 --> 00:13:43,120  
really been helpful and then you know

352  
00:13:46,550 --> 00:13:44,800  
the last thing i would say

353  
00:13:48,389 --> 00:13:46,560  
is that

354  
00:13:50,389 --> 00:13:48,399  
you know one of the advantages i think

355  
00:13:53,430 --> 00:13:50,399  
of of this pandemic and how we've been

356  
00:13:55,189 --> 00:13:53,440  
training is when we go out to to spacex

357  
00:13:59,189 --> 00:13:55,199  
for example and train out there we have

358  
00:14:00,470 --> 00:13:59,199  
been together um for for 24 hours a day

359  
00:14:02,550 --> 00:14:00,480  
and uh

360  
00:14:03,750 --> 00:14:02,560  
and that gives you they're so they're

361  
00:14:04,870 --> 00:14:03,760  
laughing but that gives you an

362  
00:14:06,710 --> 00:14:04,880  
opportunity

363  
00:14:08,470 --> 00:14:06,720

um to get to know each other outside of

364

00:14:10,150 --> 00:14:08,480

the workplace too and so we've shared a

365

00:14:12,710 --> 00:14:10,160

lot of nights sitting around the dinner

366

00:14:14,230 --> 00:14:12,720

table and talking about uh things other

367

00:14:16,629 --> 00:14:14,240

than space flight and and that's been

368

00:14:17,829 --> 00:14:16,639

very helpful as well yeah switch i don't

369

00:14:19,990 --> 00:14:17,839

know if you want to add anything in

370

00:14:22,150 --> 00:14:20,000

terms of uh your third space flight yeah

371

00:14:25,269 --> 00:14:22,160

actually uh you know for this training

372

00:14:26,870 --> 00:14:25,279

flow both uh hopper and ike started like

373

00:14:29,750 --> 00:14:26,880

two years ago they didn't know the

374

00:14:32,470 --> 00:14:29,760

spacex system inside out and shannon and

375

00:14:35,269 --> 00:14:32,480

i joined like last february march so

376

00:14:37,110 --> 00:14:35,279

it's relatively short but the the

377

00:14:39,110 --> 00:14:37,120

important thing is all of us kind of

378

00:14:40,629 --> 00:14:39,120

contribute to this wonderful team

379

00:14:44,710 --> 00:14:40,639

everybody's bringing something to the

380

00:14:47,990 --> 00:14:44,720

table and shannon and i have a luxury of

381

00:14:50,470 --> 00:14:48,000

flying and soyuz and hopper as well and

382

00:14:53,189 --> 00:14:50,480

also cherished ike's test pilot

383

00:14:55,269 --> 00:14:53,199

background we really expect his input so

384

00:14:58,389 --> 00:14:55,279

all of us this diversity definitely

385

00:15:00,470 --> 00:14:58,399

brings the team's resilience as well so

386

00:15:02,790 --> 00:15:00,480

uh this is the one for all four one

387

00:15:04,310 --> 00:15:02,800

that's come from shanna but definitely

388

00:15:06,550 --> 00:15:04,320

the four of us contributed to the

389

00:15:07,910 --> 00:15:06,560

wonderful team of this school one you

390

00:15:10,150 --> 00:15:07,920

know and if i could add one little short

391

00:15:12,389 --> 00:15:10,160

thing we have i think captured the best

392

00:15:14,550 --> 00:15:12,399

of the training from the soyuz uh

393

00:15:16,870 --> 00:15:14,560

training flow and the the shuttle flow

394

00:15:18,550 --> 00:15:16,880

where you had a bigger crew and and to

395

00:15:20,790 --> 00:15:18,560

really see the best of both worlds i

396

00:15:23,350 --> 00:15:20,800

think is made it special and we have a a

397

00:15:25,990 --> 00:15:23,360

ton of fun training together

398

00:15:29,430 --> 00:15:26,000

awesome okay let's go to bill harwood

399

00:15:32,870 --> 00:15:31,269

hey thank you this is for shannon would

400

00:15:35,110 --> 00:15:32,880

you uh we've heard this in earlier

401  
00:15:37,670 --> 00:15:35,120  
briefings but from the crew talk about

402  
00:15:39,990 --> 00:15:37,680  
the value of having at least four

403  
00:15:41,910 --> 00:15:40,000  
us os crew members on board the iss at

404  
00:15:43,749 --> 00:15:41,920  
the same time in terms of increasing

405  
00:15:45,030 --> 00:15:43,759  
scientific productivity how big of a

406  
00:15:47,269 --> 00:15:45,040  
milestone

407  
00:15:49,030 --> 00:15:47,279  
uh is that to the research community and

408  
00:15:52,710 --> 00:15:49,040  
then a second really quick question can

409  
00:15:55,670 --> 00:15:52,720  
someone explain ike's nickname thanks

410  
00:15:57,670 --> 00:15:55,680  
well we'll let ike explain his nickname

411  
00:15:59,189 --> 00:15:57,680  
um but in terms of having more people in

412  
00:16:00,629 --> 00:15:59,199  
the station so by the time we get up

413  
00:16:03,590 --> 00:16:00,639

there kate will already be there so

414

00:16:05,590 --> 00:16:03,600

we'll have five uh people on the usos

415

00:16:07,509 --> 00:16:05,600

side as as uh we call our half of the

416

00:16:10,150 --> 00:16:07,519

space station and so it is huge the

417

00:16:11,590 --> 00:16:10,160

amount of research that we can get done

418

00:16:14,310 --> 00:16:11,600

and the science that we can get done

419

00:16:16,389 --> 00:16:14,320

with just uh one or two more people

420

00:16:18,710 --> 00:16:16,399

is is more than just one or two more

421

00:16:20,949 --> 00:16:18,720

people's worth of of science and you

422

00:16:23,590 --> 00:16:20,959

also have the luxury of

423

00:16:25,670 --> 00:16:23,600

a regular-sized crew say a crew of three

424

00:16:28,710 --> 00:16:25,680

which may only be two us os or three

425

00:16:29,910 --> 00:16:28,720

usos people uh still work on science

426  
00:16:31,910 --> 00:16:29,920  
while you're doing other things with the

427  
00:16:33,670 --> 00:16:31,920  
space station be it maintenance or or

428  
00:16:35,910 --> 00:16:33,680  
other items that need to be taken care

429  
00:16:37,829 --> 00:16:35,920  
of and so the ability for us to

430  
00:16:40,389 --> 00:16:37,839  
accomplish whatever needs to be

431  
00:16:44,629 --> 00:16:40,399  
accomplished goes way high with more

432  
00:16:49,670 --> 00:16:46,710  
okay so it's an acronym it stands for i

433  
00:16:52,069 --> 00:16:49,680  
know everything and the short story is

434  
00:16:53,749 --> 00:16:52,079  
it is a reminder to never pass up an

435  
00:16:55,749 --> 00:16:53,759  
opportunity to keep my mouth shut and

436  
00:16:57,160 --> 00:16:55,759  
i'll start now

437  
00:16:59,030 --> 00:16:57,170  
and he knows everything about it

438  
00:17:01,749 --> 00:16:59,040

[Laughter]

439

00:17:05,829 --> 00:17:01,759

very nice all right let's go on to david

440

00:17:08,150 --> 00:17:05,839

curley with discovery channel

441

00:17:12,309 --> 00:17:08,160

thanks for taking the call everybody uh

442

00:17:14,150 --> 00:17:12,319

to mike and victor ike go mustangs uh

443

00:17:16,470 --> 00:17:14,160

can you talk to us a little bit about

444

00:17:18,870 --> 00:17:16,480

the issue with the

445

00:17:21,029 --> 00:17:18,880

heat shield and the tiles and are you

446

00:17:22,549 --> 00:17:21,039

comfortable with the fix that everyone

447

00:17:23,510 --> 00:17:22,559

else seems to be comfortable with thank

448

00:17:26,789 --> 00:17:23,520

you

449

00:17:29,190 --> 00:17:26,799

so actually

450

00:17:31,750 --> 00:17:29,200

all four of us have have been following

451

00:17:33,270 --> 00:17:31,760

very closely the the issues with the

452

00:17:36,470 --> 00:17:33,280

heat shield that were discovered during

453

00:17:38,070 --> 00:17:36,480

the dm2 mission uh and and again we've

454

00:17:40,150 --> 00:17:38,080

we've hit on this earlier but i would

455

00:17:42,230 --> 00:17:40,160

say this is another example of why the

456

00:17:43,190 --> 00:17:42,240

experience that we bring to this uh this

457

00:17:45,270 --> 00:17:43,200

crew

458

00:17:47,350 --> 00:17:45,280

uh and and not i can i in this

459

00:17:49,430 --> 00:17:47,360

particular case but you know suici was

460

00:17:51,430 --> 00:17:49,440

on the the return to flight shuttle

461

00:17:54,070 --> 00:17:51,440

mission after after columbia shannon's

462

00:17:57,029 --> 00:17:54,080

husband was was on that mission as well

463

00:17:59,909 --> 00:17:57,039

and and so they have brought um a lot to

464

00:18:02,230 --> 00:17:59,919

the table um having lived through that

465

00:18:04,789 --> 00:18:02,240

after after columbia so i would i would

466

00:18:07,590 --> 00:18:04,799

say yes we are following it very closely

467

00:18:08,950 --> 00:18:07,600

but i would also say uh there is an

468

00:18:11,669 --> 00:18:08,960

amazing team that has been brought

469

00:18:13,830 --> 00:18:11,679

together to work this issue and we are

470

00:18:16,630 --> 00:18:13,840

confident in this team and and their

471

00:18:18,310 --> 00:18:16,640

ability to find the the right solutions

472

00:18:21,350 --> 00:18:18,320

yeah

473

00:18:26,710 --> 00:18:21,360

thanks let's go to marina coron with the

474

00:18:30,950 --> 00:18:29,029

um so there's a sense of ceremony around

475

00:18:32,549 --> 00:18:30,960

breakfast on launch day and a public

476

00:18:34,950 --> 00:18:32,559

interest in that tradition that goes

477

00:18:36,390 --> 00:18:34,960

back to the apollo days have you thought

478

00:18:38,549 --> 00:18:36,400

yet about what you'd like to eat for

479

00:18:40,830 --> 00:18:38,559

breakfast that day which i guess now is

480

00:18:44,789 --> 00:18:40,840

actually going to be more of a midnight

481

00:18:44,799 --> 00:18:49,029

i'm not sure that's a good idea

482

00:18:53,430 --> 00:18:51,669

you know actually we we had a one of our

483

00:18:54,870 --> 00:18:53,440

first meetings today just on what that

484

00:18:57,350 --> 00:18:54,880

schedule was going to look like and so a

485

00:19:00,310 --> 00:18:57,360

lot of those little details uh in terms

486

00:19:02,070 --> 00:19:00,320

of what we're going to eat and and when

487

00:19:03,669 --> 00:19:02,080

we're going to have that meal

488

00:19:05,510 --> 00:19:03,679

we're still we're still working through

489

00:19:06,789 --> 00:19:05,520

those but

490

00:19:10,310 --> 00:19:06,799

i have no doubt that we're going to be

491

00:19:12,310 --> 00:19:10,320

well fed the team down at at ksc in fact

492

00:19:13,350 --> 00:19:12,320

actually the team here at johnson space

493

00:19:15,909 --> 00:19:13,360

center because we'll go into a

494

00:19:18,710 --> 00:19:15,919

quarantine period uh before we even even

495

00:19:20,150 --> 00:19:18,720

leave for the cape and and so uh the the

496

00:19:21,909 --> 00:19:20,160

meals that we'll have here and the meals

497

00:19:24,150 --> 00:19:21,919

that we have down there i know are going

498

00:19:26,150 --> 00:19:24,160

to be absolutely fantastic one thing i

499

00:19:28,630 --> 00:19:26,160

can quickly add is uh ike earlier i

500

00:19:30,390 --> 00:19:28,640

mentioned we are taking the good piece

501  
00:19:32,310 --> 00:19:30,400  
from the shadow side and the russian

502  
00:19:34,710 --> 00:19:32,320  
soyuz side we're picking a

503  
00:19:37,029 --> 00:19:34,720  
good tradition the breakfast is one

504  
00:19:39,590 --> 00:19:37,039  
thing we're starting to talk about the

505  
00:19:41,750 --> 00:19:39,600  
last final two weeks on the ground and

506  
00:19:44,150 --> 00:19:41,760  
we're starting to pick some of the good

507  
00:19:46,390 --> 00:19:44,160  
tradition we like from the soyuz side

508  
00:19:48,230 --> 00:19:46,400  
and we're trying to keep the other good

509  
00:19:49,909 --> 00:19:48,240  
side from the shuttle side so we can

510  
00:19:52,710 --> 00:19:49,919  
enjoy the best

511  
00:19:54,950 --> 00:19:52,720  
side of those two walls and we can start

512  
00:19:56,070 --> 00:19:54,960  
a new transition

513  
00:19:58,150 --> 00:19:56,080

awesome

514

00:20:01,990 --> 00:19:58,160

okay let's go to

515

00:20:05,990 --> 00:20:03,909

hi thanks so much

516

00:20:08,870 --> 00:20:06,000

to my questions for the three american

517

00:20:10,870 --> 00:20:08,880

astronauts uh so y'all are flying to

518

00:20:12,710 --> 00:20:10,880

space at a somewhat fraught time with

519

00:20:14,870 --> 00:20:12,720

the ongoing pandemic and protests around

520

00:20:17,350 --> 00:20:14,880

the country like you mentioned like um

521

00:20:19,830 --> 00:20:17,360

i'm curious what you you all see as your

522

00:20:23,110 --> 00:20:19,840

role as astronauts within that broader

523

00:20:25,270 --> 00:20:23,120

context thanks very much

524

00:20:26,390 --> 00:20:25,280

uh you all start i mean i think i think

525

00:20:28,390 --> 00:20:26,400

uh

526

00:20:30,870 --> 00:20:28,400

i think what we can show or demonstrate

527

00:20:32,630 --> 00:20:30,880

actually all four of us is uh just the

528

00:20:34,470 --> 00:20:32,640

the unity and

529

00:20:36,630 --> 00:20:34,480

and the fact that it doesn't matter

530

00:20:38,789 --> 00:20:36,640

what background you come from but when

531

00:20:39,990 --> 00:20:38,799

you all work together uh again as i

532

00:20:41,110 --> 00:20:40,000

mentioned not only in the name of

533

00:20:43,110 --> 00:20:41,120

resilience but when you all come

534

00:20:45,110 --> 00:20:43,120

together you can uh you can do some

535

00:20:47,029 --> 00:20:45,120

amazing things and so i do find it

536

00:20:49,190 --> 00:20:47,039

interesting you know we've all started

537

00:20:50,870 --> 00:20:49,200

at different places across this country

538

00:20:53,110 --> 00:20:50,880

we've all had

539

00:20:54,870 --> 00:20:53,120

slightly different uh paths that have

540

00:20:55,830 --> 00:20:54,880

taken us here but when you really look

541

00:20:57,350 --> 00:20:55,840

at them

542

00:20:59,990 --> 00:20:57,360

there's there's a lot of similarities

543

00:21:01,990 --> 00:21:00,000

there as well so

544

00:21:04,149 --> 00:21:02,000

i think we we do bring a lot to the

545

00:21:06,870 --> 00:21:04,159

table and and and the four of us

546

00:21:10,390 --> 00:21:06,880

actually together is a much stronger

547

00:21:16,950 --> 00:21:12,710

all right let's go to sullen barber with

548

00:21:21,350 --> 00:21:19,110

mike this is a question for you how

549

00:21:23,430 --> 00:21:21,360

excited are you to have this honor of

550

00:21:25,669 --> 00:21:23,440

not only returning to space

551  
00:21:29,110 --> 00:21:25,679  
but being the commander of this historic

552  
00:21:31,990 --> 00:21:29,120  
mission launching from riverd launch pad

553  
00:21:34,310 --> 00:21:32,000  
39a and then also follow up how has your

554  
00:21:36,950 --> 00:21:34,320  
training you know changed from your

555  
00:21:39,830 --> 00:21:36,960  
previous mission thank you

556  
00:21:42,149 --> 00:21:39,840  
yeah thanks elena you know the

557  
00:21:44,390 --> 00:21:42,159  
as a commander as you can imagine it's

558  
00:21:46,549 --> 00:21:44,400  
quite an honor

559  
00:21:48,230 --> 00:21:46,559  
you know as a as a flight test engineer

560  
00:21:51,750 --> 00:21:48,240  
as a

561  
00:21:53,669 --> 00:21:51,760  
aviation world i i don't have that

562  
00:21:57,190 --> 00:21:53,679  
opportunity to command

563  
00:21:58,390 --> 00:21:57,200

i think uh that that these new vehicles

564

00:22:00,070 --> 00:21:58,400

uh moving forward

565

00:22:01,110 --> 00:22:00,080

they show the opportunities that are out

566

00:22:03,350 --> 00:22:01,120

there

567

00:22:04,870 --> 00:22:03,360

for four other folks

568

00:22:06,470 --> 00:22:04,880

that don't necessarily have the same

569

00:22:08,149 --> 00:22:06,480

background as say victor in this

570

00:22:10,630 --> 00:22:08,159

particular case

571

00:22:13,110 --> 00:22:10,640

so so it is it is an honor and i'm

572

00:22:14,549 --> 00:22:13,120

humbled by it but i will also tell you

573

00:22:16,470 --> 00:22:14,559

that um

574

00:22:17,909 --> 00:22:16,480

there is a lot of value in the

575

00:22:19,270 --> 00:22:17,919

experience for example that victor

576

00:22:21,510 --> 00:22:19,280

brings to the table with all of his

577

00:22:24,070 --> 00:22:21,520

operational hours in the

578

00:22:25,669 --> 00:22:24,080

in the f-18 with with the navy and and

579

00:22:26,470 --> 00:22:25,679

so i certainly don't want to underplay

580

00:22:33,990 --> 00:22:26,480

that

581

00:22:35,990 --> 00:22:34,000

earlier as well you know both shannon

582

00:22:37,990 --> 00:22:36,000

and suici have trained as a as a

583

00:22:39,750 --> 00:22:38,000

left-seeder

584

00:22:41,909 --> 00:22:39,760

in the soyuz which means they were

585

00:22:43,510 --> 00:22:41,919

second in command they they uh would

586

00:22:45,350 --> 00:22:43,520

have been called on to take command and

587

00:22:47,350 --> 00:22:45,360

so it's it's kind of funny i'm sitting

588

00:22:49,190 --> 00:22:47,360

here as the commander but in reality i

589

00:22:51,590 --> 00:22:49,200

probably had the least experience of of

590

00:22:53,350 --> 00:22:51,600

any of these three in terms of being a

591

00:22:55,590 --> 00:22:53,360

commander and so i have

592

00:22:57,270 --> 00:22:55,600

i've relied very heavily on them uh

593

00:22:58,630 --> 00:22:57,280

throughout this training training flow

594

00:23:01,510 --> 00:22:58,640

and i'm going to continue to rely on

595

00:23:03,750 --> 00:23:01,520

them as as we go uphill and and get on

596

00:23:05,750 --> 00:23:03,760

board the international space station so

597

00:23:08,390 --> 00:23:05,760

uh i i think i forgot what the the

598

00:23:10,070 --> 00:23:08,400

second part of the question was but um

599

00:23:12,230 --> 00:23:10,080

you know i guess the the difference is

600

00:23:14,870 --> 00:23:12,240

oh yeah i'm sorry thank you victor i see

601  
00:23:20,070 --> 00:23:17,590  
so uh um you know the difference is uh

602  
00:23:22,710 --> 00:23:20,080  
clearly there there has been a um

603  
00:23:24,710 --> 00:23:22,720  
a lot of big differences uh between

604  
00:23:26,870 --> 00:23:24,720  
training over in russia you know some of

605  
00:23:28,310 --> 00:23:26,880  
them are are logistics

606  
00:23:29,909 --> 00:23:28,320  
associated you know when you go over and

607  
00:23:32,549 --> 00:23:29,919  
train in russia you're going for three

608  
00:23:34,549 --> 00:23:32,559  
four five six weeks at a time before you

609  
00:23:36,950 --> 00:23:34,559  
get to come home whereas here

610  
00:23:38,310 --> 00:23:36,960  
we go out to spacex we spend a week in

611  
00:23:39,830 --> 00:23:38,320  
hawthorne and then we get to come home

612  
00:23:40,870 --> 00:23:39,840  
and be with our families on on the

613  
00:23:43,110 --> 00:23:40,880

weekends

614

00:23:46,549 --> 00:23:43,120

and and so i can't say enough about the

615

00:23:48,470 --> 00:23:46,559

you know how that um that piece is

616

00:23:50,230 --> 00:23:48,480

uh it's nice it's nice to be able to see

617

00:23:52,549 --> 00:23:50,240

your family your loved ones on the

618

00:23:53,909 --> 00:23:52,559

weekends and so hats go off to our our

619

00:23:56,390 --> 00:23:53,919

colleagues and our crewmates that are

620

00:23:58,710 --> 00:23:56,400

continuing to to go through the russian

621

00:24:01,029 --> 00:23:58,720

training flow because uh it does present

622

00:24:02,710 --> 00:24:01,039

a few more challenges associated with it

623

00:24:04,310 --> 00:24:02,720

uh the other thing i would say

624

00:24:05,590 --> 00:24:04,320

that's a little bit different is this is

625

00:24:08,470 --> 00:24:05,600

new

626

00:24:10,630 --> 00:24:08,480

the the soyuz is a well proven program

627

00:24:11,909 --> 00:24:10,640

and the training program is the same you

628

00:24:13,830 --> 00:24:11,919

know the crews have been going through

629

00:24:16,710 --> 00:24:13,840

that and i would say uh one of the

630

00:24:19,029 --> 00:24:16,720

things that i remember one of my

631

00:24:21,909 --> 00:24:19,039

fellow astronauts joe acaba

632

00:24:23,190 --> 00:24:21,919

before my last flight on the soyuz as i

633

00:24:25,269 --> 00:24:23,200

was getting ready to go over for the

634

00:24:28,710 --> 00:24:25,279

final qual exams and all of that i

635

00:24:30,070 --> 00:24:28,720

didn't feel like i was ready and and i

636

00:24:31,990 --> 00:24:30,080

mentioned this to joe and he said mike

637

00:24:35,029 --> 00:24:32,000

trust the system by the time you're

638

00:24:37,350 --> 00:24:35,039

ready to launch you're going to be ready

639

00:24:38,950 --> 00:24:37,360

we didn't yes i'm

640

00:24:41,510 --> 00:24:38,960

fortunate enough to experience three

641

00:24:44,310 --> 00:24:41,520

different spacecraft training this one

642

00:24:46,230 --> 00:24:44,320

obviously most of the training for the

643

00:24:47,269 --> 00:24:46,240

clear dragon side is done by spacex

644

00:24:49,750 --> 00:24:47,279

itself

645

00:24:51,990 --> 00:24:49,760

and their approach is slightly different

646

00:24:53,430 --> 00:24:52,000

but i would say it is very effective

647

00:24:55,590 --> 00:24:53,440

and

648

00:24:57,430 --> 00:24:55,600

as i told you earlier we have that

649

00:25:00,390 --> 00:24:57,440

channel and i have like a very condensed

650

00:25:03,269 --> 00:25:00,400

flow about six months from the scratch

651  
00:25:06,549 --> 00:25:03,279  
to the launchpad and actually worked out

652  
00:25:08,710 --> 00:25:06,559  
great and uh again this is our four of

653  
00:25:11,110 --> 00:25:08,720  
us joined together to come up with the

654  
00:25:13,990 --> 00:25:11,120  
right way of operating a spacecraft so

655  
00:25:16,310 --> 00:25:14,000  
it's not just spacex spacex is great but

656  
00:25:18,870 --> 00:25:16,320  
we also as a team come up with the right

657  
00:25:21,590 --> 00:25:18,880  
approach and i'm pretty sure that though

658  
00:25:23,750 --> 00:25:21,600  
uh like like my commander said we are

659  
00:25:26,310 --> 00:25:23,760  
ready to fly

660  
00:25:32,149 --> 00:25:26,320  
all right from jackie on facebook what

661  
00:25:35,909 --> 00:25:34,070  
you know i think uh the three things i

662  
00:25:37,669 --> 00:25:35,919  
generally say when i get the privilege

663  
00:25:40,149 --> 00:25:37,679

to go talk to young folks is to be

664

00:25:41,669 --> 00:25:40,159

gritty g-r-i-t-t-y it means to to

665

00:25:42,470 --> 00:25:41,679

persevere and to not be afraid to work

666

00:25:45,110 --> 00:25:42,480

hard

667

00:25:48,549 --> 00:25:45,120

to be a lifelong learner inside and

668

00:25:50,390 --> 00:25:48,559

outside the classroom and to to

669

00:25:52,070 --> 00:25:50,400

uh work very hard at being a good

670

00:25:53,510 --> 00:25:52,080

teammate and that last one is very tough

671

00:25:54,710 --> 00:25:53,520

because at the end of the day it's not

672

00:25:56,390 --> 00:25:54,720

up to you it's up to the people to your

673

00:25:58,149 --> 00:25:56,400

left and to your right so to be greedy

674

00:25:59,909 --> 00:25:58,159

to be a lifelong learner and to be a

675

00:26:01,029 --> 00:25:59,919

good teammate

676

00:26:03,830 --> 00:26:01,039

right

677

00:26:05,590 --> 00:26:03,840

from ellenberger on twitter how

678

00:26:07,510 --> 00:26:05,600

comfortable do you all feel in the

679

00:26:11,510 --> 00:26:07,520

mock-ups of the capsule being four

680

00:26:13,669 --> 00:26:13,029

i'll take that

681

00:26:29,269 --> 00:26:13,679

i

682

00:26:30,950 --> 00:26:29,279

so your stowage and your people are all

683

00:26:33,990 --> 00:26:30,960

together but it makes it feel a little

684

00:26:35,990 --> 00:26:34,000

more spacious space space-ish space-ish

685

00:26:38,710 --> 00:26:36,000

that's hard to say um

686

00:26:40,310 --> 00:26:38,720

but it's nice it's comfortable

687

00:26:42,230 --> 00:26:40,320

all right let's go back to the phone

688

00:26:48,390 --> 00:26:42,240

bridge for some more media questions

689

00:26:52,149 --> 00:26:50,470

hi thank you um

690

00:26:53,669 --> 00:26:52,159

for all four of you what is the

691

00:26:55,909 --> 00:26:53,679

milestone of reaching 20 years of

692

00:26:57,990 --> 00:26:55,919

continuous human occupancy on the iss

693

00:26:59,510 --> 00:26:58,000

mean to you each personally and what

694

00:27:01,269 --> 00:26:59,520

does it say about the overall state of

695

00:27:03,510 --> 00:27:01,279

human space exploration when you

696

00:27:05,830 --> 00:27:03,520

consider that over the last two decades

697

00:27:07,990 --> 00:27:05,840

and 240 people there have been less than

698

00:27:09,830 --> 00:27:08,000

two dozen women less than 20 people who

699

00:27:13,110 --> 00:27:09,840

are from countries other than the us and

700

00:27:14,630 --> 00:27:13,120

russia and only now with victor you're

701  
00:27:16,070 --> 00:27:14,640  
becoming the first african-american

702  
00:27:19,990 --> 00:27:16,080  
astronaut to become a space station

703  
00:27:24,389 --> 00:27:22,549  
well i'll start at the ability to fly in

704  
00:27:26,389 --> 00:27:24,399  
space period is a privilege and so to be

705  
00:27:28,470 --> 00:27:26,399  
able to fly on this amazing vehicle that

706  
00:27:30,389 --> 00:27:28,480  
was made in california like i was that

707  
00:27:31,830 --> 00:27:30,399  
is a privilege it is icing on the cake

708  
00:27:34,149 --> 00:27:31,840  
to be able to live on the space station

709  
00:27:36,070 --> 00:27:34,159  
for six months and and during that time

710  
00:27:37,750 --> 00:27:36,080  
to to to be there for the 20th

711  
00:27:40,230 --> 00:27:37,760  
anniversary of human presence on that

712  
00:27:41,990 --> 00:27:40,240  
station and to potentially launch on the

713  
00:27:43,430 --> 00:27:42,000

20th anniversary of the launch of

714

00:27:45,269 --> 00:27:43,440

expedition 1

715

00:27:47,110 --> 00:27:45,279

is just special and and

716

00:27:49,350 --> 00:27:47,120

relates to something mike said earlier

717

00:27:51,269 --> 00:27:49,360

that you know the power of teamwork when

718

00:27:52,549 --> 00:27:51,279

we come together to work on the same

719

00:27:57,510 --> 00:27:52,559

thing that there's no limit to what we

720

00:28:03,430 --> 00:27:59,590

all right now let's go to chelsea gold

721

00:28:08,549 --> 00:28:06,310

good afternoon um so kind of on a on a

722

00:28:11,190 --> 00:28:08,559

similar note uh this is a question for

723

00:28:13,269 --> 00:28:11,200

victor as robert mentioned you will be

724

00:28:14,870 --> 00:28:13,279

the first black astronaut to ever be

725

00:28:16,549 --> 00:28:14,880

part of a crew for a long duration

726

00:28:18,950 --> 00:28:16,559

mission on the space station

727

00:28:22,149 --> 00:28:18,960

um this seems like a long time coming

728

00:28:24,870 --> 00:28:22,159

and i'm curious as also a first-time

729

00:28:27,269 --> 00:28:24,880

astronaut how you feel about embarking

730

00:28:28,549 --> 00:28:27,279

on your first mission while also making

731

00:28:30,470 --> 00:28:28,559

this history

732

00:28:31,909 --> 00:28:30,480

well i actually try very hard not to

733

00:28:33,510 --> 00:28:31,919

think a lot about it i want to go up

734

00:28:34,870 --> 00:28:33,520

there and i want to do my job very well

735

00:28:36,710 --> 00:28:34,880

and and i want to come back and talk to

736

00:28:38,950 --> 00:28:36,720

you about that after i get back home to

737

00:28:40,950 --> 00:28:38,960

my family safely so i would say let us

738

00:28:42,950 --> 00:28:40,960

accomplish that first and then we have

739

00:28:44,470 --> 00:28:42,960

something to celebrate it's bittersweet

740

00:28:46,389 --> 00:28:44,480

and i can't tell you why it's taken us

741

00:28:47,909 --> 00:28:46,399

this long but uh again i hope to go up

742

00:28:49,510 --> 00:28:47,919

there and do my job to the best of my

743

00:28:51,830 --> 00:28:49,520

ability and and i would love to come

744

00:28:53,990 --> 00:28:51,840

back and tell you stories afterward

745

00:28:56,630 --> 00:28:54,000

all right let's go to joey roulette with

746

00:29:01,990 --> 00:28:59,669

hey uh i was wondering what the process

747

00:29:03,990 --> 00:29:02,000

of casting a ballot from space is like

748

00:29:07,510 --> 00:29:04,000

do you guys send some kind of digital

749

00:29:09,110 --> 00:29:07,520

ballot down to houston um and also i

750

00:29:10,870 --> 00:29:09,120

would love to hear any kind of good tips

751  
00:29:12,630 --> 00:29:10,880  
that you guys could share from bob and

752  
00:29:14,789 --> 00:29:12,640  
doug that they may have passed along

753  
00:29:16,950 --> 00:29:14,799  
from their mission thanks so much

754  
00:29:18,630 --> 00:29:16,960  
well i can talk about casting a ballot

755  
00:29:20,470 --> 00:29:18,640  
from space since i did it last time i

756  
00:29:23,669 --> 00:29:20,480  
was on the space station

757  
00:29:26,710 --> 00:29:23,679  
they basically send you an electronic uh

758  
00:29:29,350 --> 00:29:26,720  
file it's a pdf and you mark your

759  
00:29:31,269 --> 00:29:29,360  
choices and then you email it back to

760  
00:29:32,870 --> 00:29:31,279  
the um

761  
00:29:35,590 --> 00:29:32,880  
i forget the title of the person but the

762  
00:29:37,830 --> 00:29:35,600  
person who's in charge of the election

763  
00:29:39,430 --> 00:29:37,840

for the county and so then that gets

764

00:29:40,789 --> 00:29:39,440  
counted into

765

00:29:41,750 --> 00:29:40,799  
all the ballots that are are brought

766

00:29:43,830 --> 00:29:41,760  
back

767

00:29:46,549 --> 00:29:43,840  
it's very simple very straightforward

768

00:29:47,990 --> 00:29:46,559  
and then i'll uh jump in in terms of uh

769

00:29:49,990 --> 00:29:48,000  
from bob and doug

770

00:29:51,510 --> 00:29:50,000  
we were very fortunate after they got on

771

00:29:53,190 --> 00:29:51,520  
orbit probably about a week after i

772

00:29:54,950 --> 00:29:53,200  
think we had a chance to to have a

773

00:29:56,710 --> 00:29:54,960  
conference with them

774

00:29:58,549 --> 00:29:56,720  
and then once they returned to earth the

775

00:30:00,470 --> 00:29:58,559  
same thing we had an opportunity to

776

00:30:02,549 --> 00:30:00,480

speaking with them and one of the the

777

00:30:04,549 --> 00:30:02,559

great things about that is you get to

778

00:30:06,870 --> 00:30:04,559

hear sometimes the little details that

779

00:30:09,430 --> 00:30:06,880

that don't show up in a training

780

00:30:10,630 --> 00:30:09,440

training program or a training lesson

781

00:30:12,310 --> 00:30:10,640

and some of those things are simple some

782

00:30:14,470 --> 00:30:12,320

of those may not seem like a lot but

783

00:30:15,830 --> 00:30:14,480

they can be very important for example

784

00:30:18,149 --> 00:30:15,840

they talked a lot about some of the

785

00:30:20,230 --> 00:30:18,159

sounds that occurred during the fueling

786

00:30:22,950 --> 00:30:20,240

process you know this is something that

787

00:30:25,110 --> 00:30:22,960

we haven't done um in the past and so

788

00:30:27,029 --> 00:30:25,120

having having astronauts in the capsule

789

00:30:28,389 --> 00:30:27,039

on the rocket as you're feeling it up is

790

00:30:30,710 --> 00:30:28,399

is a little bit different and so

791

00:30:32,310 --> 00:30:30,720

listening to them uh describes some of

792

00:30:34,710 --> 00:30:32,320

those sounds is very helpful because

793

00:30:37,669 --> 00:30:34,720

then when we hear them uh during that

794

00:30:39,110 --> 00:30:37,679

process uh you're expecting it and it's

795

00:30:40,549 --> 00:30:39,120

not as big of a surprise and you're not

796

00:30:42,549 --> 00:30:40,559

sitting there looking at each other was

797

00:30:44,149 --> 00:30:42,559

or you know we're supposed to hear that

798

00:30:46,070 --> 00:30:44,159

uh the other thing is not just the

799

00:30:47,669 --> 00:30:46,080

sounds but the feelings and and so they

800

00:30:49,190 --> 00:30:47,679

talked a little bit about that and when

801  
00:30:50,789 --> 00:30:49,200  
i say feelings i mean what the vehicle

802  
00:30:52,070 --> 00:30:50,799  
is doing you're feeling the vehicle as

803  
00:30:53,909 --> 00:30:52,080  
it's coming in the atmosphere for

804  
00:30:56,789 --> 00:30:53,919  
example and they described a little bit

805  
00:30:58,230 --> 00:30:56,799  
about that and again it helps set those

806  
00:31:01,350 --> 00:30:58,240  
expectations

807  
00:31:02,830 --> 00:31:01,360  
and uh and and helps you prepare uh for

808  
00:31:04,549 --> 00:31:02,840  
those for those

809  
00:31:07,029 --> 00:31:04,559  
events

810  
00:31:11,029 --> 00:31:07,039  
all right let's go to paul rivera with

811  
00:31:16,470 --> 00:31:13,430  
thanks for taking my call my questions

812  
00:31:18,710 --> 00:31:16,480  
this is to everyone when it comes to

813  
00:31:21,110 --> 00:31:18,720

the diversity of the crew and this sort

814

00:31:23,509 --> 00:31:21,120

of pegs off of an earlier question

815

00:31:24,389 --> 00:31:23,519

how important is this diversity of the

816

00:31:26,950 --> 00:31:24,399

crew

817

00:31:28,230 --> 00:31:26,960

to future space explorers that look to

818

00:31:30,710 --> 00:31:28,240

you and say

819

00:31:32,149 --> 00:31:30,720

this person is in these shoes doing this

820

00:31:35,269 --> 00:31:32,159

i might be able to do this moving

821

00:31:36,630 --> 00:31:35,279

forward because they took that step

822

00:31:38,789 --> 00:31:36,640

now i think

823

00:31:39,669 --> 00:31:38,799

your question actually is is a great uh

824

00:31:40,630 --> 00:31:39,679

answer

825

00:31:42,149 --> 00:31:40,640

as well

826

00:31:44,470 --> 00:31:42,159

um you know i think that is one of the

827

00:31:46,549 --> 00:31:44,480

nice things about this crew is

828

00:31:49,350 --> 00:31:46,559

as people out there can can take a look

829

00:31:52,470 --> 00:31:49,360

at it and and find something similar

830

00:31:54,149 --> 00:31:52,480

um uh familiar to them and and uh we

831

00:31:55,990 --> 00:31:54,159

hope that that can be an inspiration to

832

00:31:57,830 --> 00:31:56,000

them uh but i i mentioned this a little

833

00:31:59,190 --> 00:31:57,840

bit earlier and i would and i'll mention

834

00:32:00,470 --> 00:31:59,200

it again when you really look at our

835

00:32:03,029 --> 00:32:00,480

backgrounds

836

00:32:05,350 --> 00:32:03,039

there's a lot of similarities there and

837

00:32:07,029 --> 00:32:05,360

and so um you know i just i you know

838

00:32:09,110 --> 00:32:07,039

focusing on those similarities i think

839

00:32:11,509 --> 00:32:09,120

is is is pretty important as well but

840

00:32:13,509 --> 00:32:11,519

also celebrating um our differences and

841

00:32:15,669 --> 00:32:13,519

and hoping that that can inspire folks

842

00:32:18,389 --> 00:32:15,679

from all across the country in the world

843

00:32:20,710 --> 00:32:18,399

i i think is a great thing

844

00:32:25,430 --> 00:32:20,720

all right let's go to gina sensari with

845

00:32:29,509 --> 00:32:27,110

shannon you've got considerable

846

00:32:31,350 --> 00:32:29,519

experience already on the space station

847

00:32:34,470 --> 00:32:31,360

what are you bringing forward from your

848

00:32:35,269 --> 00:32:34,480

last segment to your last expedition to

849

00:32:39,669 --> 00:32:35,279

this

850

00:32:41,029 --> 00:32:39,679

for you

851  
00:32:42,470 --> 00:32:41,039  
that's a that's a good question i

852  
00:32:44,630 --> 00:32:42,480  
haven't thought too much about that i

853  
00:32:46,310 --> 00:32:44,640  
think one of the things that i will

854  
00:32:48,310 --> 00:32:46,320  
bring

855  
00:32:50,950 --> 00:32:48,320  
is my experience which doesn't sound

856  
00:32:52,470 --> 00:32:50,960  
like a very concrete answer but my

857  
00:32:54,310 --> 00:32:52,480  
experience of having already lived and

858  
00:32:56,070 --> 00:32:54,320  
worked there will give me a huge head

859  
00:32:58,549 --> 00:32:56,080  
start and make me much more efficient

860  
00:33:00,230 --> 00:32:58,559  
this time around than i was uh last time

861  
00:33:01,830 --> 00:33:00,240  
i flew so

862  
00:33:03,990 --> 00:33:01,840  
knowing how the station is laid out

863  
00:33:05,830 --> 00:33:04,000

knowing how it's packed knowing how the

864

00:33:08,870 --> 00:33:05,840

ground works with the crew on the

865

00:33:11,350 --> 00:33:08,880

station um how it all fits together will

866

00:33:13,750 --> 00:33:11,360

make me a just a better crew member

867

00:33:15,990 --> 00:33:13,760

overall

868

00:33:19,110 --> 00:33:16,000

okay let's go to dave mosher with

869

00:33:22,549 --> 00:33:21,029

hi all i kind of want to spring off an

870

00:33:24,310 --> 00:33:22,559

earlier question

871

00:33:26,389 --> 00:33:24,320

and this is for anyone who's most

872

00:33:28,630 --> 00:33:26,399

excited to answer it what is the the

873

00:33:30,789 --> 00:33:28,640

most interesting comment or tip that

874

00:33:33,190 --> 00:33:30,799

bobber doug told you about riding the

875

00:33:34,789 --> 00:33:33,200

dragon and i mean that in terms of

876

00:33:36,710 --> 00:33:34,799

preparing you for the mission i think

877

00:33:38,070 --> 00:33:36,720

mike you mentioned the sounds but maybe

878

00:33:40,870 --> 00:33:38,080

there's something else that they said

879

00:33:42,789 --> 00:33:40,880

that has really stuck with you and and

880

00:33:44,710 --> 00:33:42,799

you can share with us what what that is

881

00:33:46,389 --> 00:33:44,720

thank you yeah i've got i've got one

882

00:33:48,389 --> 00:33:46,399

that i'll share and if somebody else has

883

00:33:49,750 --> 00:33:48,399

one as well i hope they have an

884

00:33:51,669 --> 00:33:49,760

opportunity to share that too but i

885

00:33:53,909 --> 00:33:51,679

would say

886

00:33:55,029 --> 00:33:53,919

i remember talking to to doug about

887

00:33:56,470 --> 00:33:55,039

entry

888

00:33:58,710 --> 00:33:56,480

and

889

00:34:01,509 --> 00:33:58,720

his comment about entry was that it it

890

00:34:03,110 --> 00:34:01,519

happens fast from the time the

891

00:34:06,789 --> 00:34:03,120

the

892

00:34:09,190 --> 00:34:06,799

sequence starts to

893

00:34:11,909 --> 00:34:09,200

to when you touch down is is very fast

894

00:34:12,869 --> 00:34:11,919

and so his his comment was

895

00:34:14,550 --> 00:34:12,879

um

896

00:34:16,629 --> 00:34:14,560

even though it's happening fast he said

897

00:34:18,950 --> 00:34:16,639

he felt like he was ahead of the vehicle

898

00:34:21,349 --> 00:34:18,960

and and so uh for

899

00:34:23,270 --> 00:34:21,359

for people uh in the aviation world or

900

00:34:25,829 --> 00:34:23,280

flying world like this that that has a

901  
00:34:28,629 --> 00:34:25,839  
certain meaning to it and and that

902  
00:34:30,629 --> 00:34:28,639  
for me that means i need to make sure

903  
00:34:32,629 --> 00:34:30,639  
that we as a crew are ready for that

904  
00:34:35,829 --> 00:34:32,639  
moment because again when things happen

905  
00:34:37,750 --> 00:34:35,839  
fast you need to to uh be anticipating

906  
00:34:39,909 --> 00:34:37,760  
and be ready to go and so that that

907  
00:34:41,750 --> 00:34:39,919  
really stood out to me yeah and another

908  
00:34:43,349 --> 00:34:41,760  
thing that they mentioned was uh that

909  
00:34:45,270 --> 00:34:43,359  
after their manual piloting demo that

910  
00:34:47,190 --> 00:34:45,280  
the vehicle flew like the synth and that

911  
00:34:49,030 --> 00:34:47,200  
is as comforting and it is also a

912  
00:34:51,909 --> 00:34:49,040  
testament to spacex and the product that

913  
00:34:57,990 --> 00:34:55,109

okay let's go to meredith garafollo with

914

00:35:01,030 --> 00:34:59,589

thank you guys all so much i really

915

00:35:03,109 --> 00:35:01,040

appreciate your time now we've had

916

00:35:06,390 --> 00:35:03,119

decades of different accomplishments of

917

00:35:08,230 --> 00:35:06,400

space exploration and why is this one

918

00:35:09,750 --> 00:35:08,240

important to you and for our future

919

00:35:11,589 --> 00:35:09,760

generations

920

00:35:17,190 --> 00:35:11,599

what do you hope they always remember

921

00:35:21,270 --> 00:35:19,270

so i would hope that uh coming out of

922

00:35:22,550 --> 00:35:21,280

this is uh i mentioned it earlier as

923

00:35:25,670 --> 00:35:22,560

well that it's kind of the start of a

924

00:35:27,829 --> 00:35:25,680

new era in in human space flight um i i

925

00:35:29,430 --> 00:35:27,839

think in terms of you know using the

926  
00:35:31,510 --> 00:35:29,440  
commercial companies to give us access

927  
00:35:33,030 --> 00:35:31,520  
to the international space station

928  
00:35:34,390 --> 00:35:33,040  
i think there's another piece that's

929  
00:35:36,230 --> 00:35:34,400  
happening and that is opening up low

930  
00:35:39,030 --> 00:35:36,240  
earth orbit to more people

931  
00:35:40,950 --> 00:35:39,040  
to uh potentially not just nasa

932  
00:35:42,310 --> 00:35:40,960  
astronauts and jax astronauts and

933  
00:35:45,349 --> 00:35:42,320  
cosmonauts

934  
00:35:47,030 --> 00:35:45,359  
but to to uh civilians that are out

935  
00:35:50,069 --> 00:35:47,040  
there and so i think

936  
00:35:51,750 --> 00:35:50,079  
um if this is the start of that i think

937  
00:35:53,829 --> 00:35:51,760  
that's a great thing and i hope they can

938  
00:35:55,910 --> 00:35:53,839

take that from it

939

00:36:02,150 --> 00:35:55,920

all right let's go to stephen clark with

940

00:36:05,109 --> 00:36:04,390

hi thank you um i was wondering which of

941

00:36:08,790 --> 00:36:05,119

you

942

00:36:10,710 --> 00:36:08,800

expected to go outside for

943

00:36:13,910 --> 00:36:10,720

an eva at least which of you received

944

00:36:15,589 --> 00:36:13,920

the epa training and uh i i understand

945

00:36:17,030 --> 00:36:15,599

your eva training is complete your drag

946

00:36:18,550 --> 00:36:17,040

in training at space actually is

947

00:36:20,790 --> 00:36:18,560

complete so what are your schedules like

948

00:36:22,470 --> 00:36:20,800

over the next month leading up to launch

949

00:36:23,829 --> 00:36:22,480

do you have additional sims or are you

950

00:36:24,950 --> 00:36:23,839

going to take that extra week to do some

951  
00:36:26,230 --> 00:36:24,960  
more training

952  
00:36:29,030 --> 00:36:26,240  
and what else are you doing to prepare

953  
00:36:31,750 --> 00:36:29,040  
for the mission thank you

954  
00:36:35,030 --> 00:36:31,760  
i'll start with the eva piece um

955  
00:36:37,589 --> 00:36:35,040  
so in terms of training for eva actually

956  
00:36:40,470 --> 00:36:37,599  
all four of us are are trained for eva

957  
00:36:42,710 --> 00:36:40,480  
in terms of going out the door uh victor

958  
00:36:45,910 --> 00:36:42,720  
myself and and suici we'll go out the

959  
00:36:48,390 --> 00:36:45,920  
door but kate and kate thank you um but

960  
00:36:49,750 --> 00:36:48,400  
then shannon has i would actually say

961  
00:36:51,910 --> 00:36:49,760  
probably the more difficult role and

962  
00:36:54,310 --> 00:36:51,920  
that's getting us out the door

963  
00:36:56,310 --> 00:36:54,320

that is a very compressed timeline

964

00:36:57,589 --> 00:36:56,320

there's a lot going on on a lot of

965

00:37:00,950 --> 00:36:57,599

different procedures that have to be

966

00:37:02,870 --> 00:37:00,960

tracked and and it's critical and and so

967

00:37:05,270 --> 00:37:02,880

um all four of us

968

00:37:07,510 --> 00:37:05,280

in terms of uh including kate are

969

00:37:09,109 --> 00:37:07,520

prepared to go out the door and uh and

970

00:37:11,270 --> 00:37:09,119

shannon is just as important part of

971

00:37:13,430 --> 00:37:11,280

that of that role in terms of making the

972

00:37:14,630 --> 00:37:13,440

evas happen

973

00:37:16,230 --> 00:37:14,640

and in terms of what we're going to be

974

00:37:18,390 --> 00:37:16,240

doing i don't know if anybody else wants

975

00:37:20,390 --> 00:37:18,400

to chime in on that one

976

00:37:22,710 --> 00:37:20,400

we do a little bit of refresher training

977

00:37:24,790 --> 00:37:22,720

our the bulk of our training is complete

978

00:37:27,349 --> 00:37:24,800

but there will probably be a sim or two

979

00:37:29,510 --> 00:37:27,359

in there to make sure that our skills

980

00:37:30,950 --> 00:37:29,520

are tip-top when we're ready to go but

981

00:37:33,109 --> 00:37:30,960

we do also get the opportunity to take

982

00:37:34,550 --> 00:37:33,119

some time off and so we'll have about a

983

00:37:35,510 --> 00:37:34,560

week where we can

984

00:37:36,870 --> 00:37:35,520

um

985

00:37:39,030 --> 00:37:36,880

spend time with our families and wrap

986

00:37:42,550 --> 00:37:39,040

things up at home before we go away

987

00:37:44,470 --> 00:37:42,560

that's going our time on orbits um you

988

00:37:46,310 --> 00:37:44,480

know across a major holiday season we'll

989

00:37:48,150 --> 00:37:46,320

be home after tax season there may be

990

00:37:49,120 --> 00:37:48,160

things that we need to take care of

991

00:37:52,390 --> 00:37:49,130

before we go yeah

992

00:37:53,829 --> 00:37:52,400

[Laughter]

993

00:37:55,430 --> 00:37:53,839

and then and then we'll be right into

994

00:37:57,190 --> 00:37:55,440

quarantine um

995

00:37:59,910 --> 00:37:57,200

getting ready to go

996

00:38:02,710 --> 00:37:59,920

all right let's go to frida juarez with

997

00:38:04,950 --> 00:38:02,720

I universal

998

00:38:05,910 --> 00:38:04,960

hi everybody thank you for taking my

999

00:38:07,510 --> 00:38:05,920

question

1000

00:38:10,069 --> 00:38:07,520

i was wondering

1001  
00:38:13,270 --> 00:38:10,079  
this one is for everybody how does the

1002  
00:38:14,950 --> 00:38:13,280  
pandemic change your perspective from

1003  
00:38:17,589 --> 00:38:14,960  
space and

1004  
00:38:21,589 --> 00:38:17,599  
your perspective about being an

1005  
00:38:26,470 --> 00:38:24,069  
well can i say that i was joking and

1006  
00:38:27,829 --> 00:38:26,480  
describing this time with my family that

1007  
00:38:29,430 --> 00:38:27,839  
you know they get to experience a little

1008  
00:38:31,430 --> 00:38:29,440  
bit what it's going to be like to live

1009  
00:38:33,430 --> 00:38:31,440  
on the space station with the increase

1010  
00:38:35,190 --> 00:38:33,440  
in isolation and having to find new ways

1011  
00:38:36,550 --> 00:38:35,200  
to communicate virtually doing their

1012  
00:38:38,950 --> 00:38:36,560  
schoolwork our kids are doing school

1013  
00:38:40,870 --> 00:38:38,960

work online and so i think that's one

1014

00:38:42,390 --> 00:38:40,880

you know like maybe a positive spin you

1015

00:38:43,510 --> 00:38:42,400

could put on this is the the entire

1016

00:38:45,349 --> 00:38:43,520

planet is in one way or another

1017

00:38:47,030 --> 00:38:45,359

experiencing you know the austerity that

1018

00:38:49,190 --> 00:38:47,040

that comes with living on the

1019

00:38:51,190 --> 00:38:49,200

international space station um but i

1020

00:38:53,109 --> 00:38:51,200

will also say that the perspective piece

1021

00:38:55,030 --> 00:38:53,119

for me it has given me an a greater

1022

00:38:56,390 --> 00:38:55,040

sense of respect for for the people that

1023

00:38:57,990 --> 00:38:56,400

have had to go out and continue to keep

1024

00:38:59,349 --> 00:38:58,000

our communities clean the folks that are

1025

00:39:00,950 --> 00:38:59,359

picking up the trash and making sure

1026

00:39:02,230 --> 00:39:00,960

that our facilities are clean and the

1027

00:39:03,589 --> 00:39:02,240

folks that have to continue to come in

1028

00:39:05,829 --> 00:39:03,599

and help us to train and be ready for

1029

00:39:07,510 --> 00:39:05,839

this mission and that created and built

1030

00:39:10,390 --> 00:39:07,520

this vehicle or are still building this

1031

00:39:12,230 --> 00:39:10,400

vehicle and so i i thought i was already

1032

00:39:13,670 --> 00:39:12,240

grateful but i am i am

1033

00:39:15,990 --> 00:39:13,680

increasingly grateful for all of their

1034

00:39:20,230 --> 00:39:16,000

hard work

1035

00:39:23,030 --> 00:39:20,240

all right irene klotz with aviation week

1036

00:39:24,630 --> 00:39:23,040

thanks uh this is for uh mike or uh

1037

00:39:26,310 --> 00:39:24,640

victor or shannon

1038

00:39:28,230 --> 00:39:26,320

uh you know nasa

1039

00:39:31,430 --> 00:39:28,240

has gone through this route of trying to

1040

00:39:33,510 --> 00:39:31,440

open up leo previously and shortly after

1041

00:39:36,069 --> 00:39:33,520

shuttle started flying with blind

1042

00:39:38,950 --> 00:39:36,079

politicians and school teacher and so

1043

00:39:40,790 --> 00:39:38,960

forth and we know how that worked out

1044

00:39:43,510 --> 00:39:40,800

what do you think can you give me a

1045

00:39:47,109 --> 00:39:43,520

couple of examples specifically about

1046

00:39:48,710 --> 00:39:47,119

how the risk assessment has changed from

1047

00:39:51,270 --> 00:39:48,720

shuttle era

1048

00:39:54,230 --> 00:39:51,280

to what you all are working now with

1049

00:39:57,349 --> 00:39:54,240

some spacex and boeing in the commercial

1050

00:40:00,870 --> 00:39:57,359

crew program

1051

00:40:02,630 --> 00:40:00,880

well i i think first of all it starts um

1052

00:40:05,589 --> 00:40:02,640

just with the design of the vehicle and

1053

00:40:08,069 --> 00:40:05,599

what uh what they each were made for

1054

00:40:10,710 --> 00:40:08,079

when you look at the space shuttle uh it

1055

00:40:12,550 --> 00:40:10,720

was it was made for a

1056

00:40:14,069 --> 00:40:12,560

kind of a different purpose in terms of

1057

00:40:15,910 --> 00:40:14,079

it was made to build to help build the

1058

00:40:18,630 --> 00:40:15,920

space station for example

1059

00:40:21,589 --> 00:40:18,640

and and so based on that uh how it was

1060

00:40:23,510 --> 00:40:21,599

built and and and all that uh

1061

00:40:25,349 --> 00:40:23,520

put different risks i would say with

1062

00:40:27,670 --> 00:40:25,359

with flying on the space shuttle uh

1063

00:40:29,030 --> 00:40:27,680

versus with with these vehicles uh the

1064

00:40:30,630 --> 00:40:29,040

you know what you see with spacex what

1065

00:40:32,950 --> 00:40:30,640

you see being developed for boeing they

1066

00:40:33,910 --> 00:40:32,960

have a much smaller mission set if you

1067

00:40:35,910 --> 00:40:33,920

will

1068

00:40:37,510 --> 00:40:35,920

they are are being made to take uh

1069

00:40:39,030 --> 00:40:37,520

people to low earth orbit to the

1070

00:40:40,950 --> 00:40:39,040

international space station and bring

1071

00:40:42,790 --> 00:40:40,960

them back and and so they're not they're

1072

00:40:45,109 --> 00:40:42,800

not being asked to do

1073

00:40:47,349 --> 00:40:45,119

uh the same types of things that the

1074

00:40:48,950 --> 00:40:47,359

space shuttle was asked to do and so

1075

00:40:51,510 --> 00:40:48,960

because of that i think you'll you'll

1076

00:40:53,589 --> 00:40:51,520

find that uh the the risk

1077

00:40:54,950 --> 00:40:53,599

is a little bit different and i would

1078

00:40:56,950 --> 00:40:54,960

also say

1079

00:41:00,069 --> 00:40:56,960

that you know we've got the advantage of

1080

00:41:01,349 --> 00:41:00,079

uh what 40 years 50 years since the the

1081

00:41:03,349 --> 00:41:01,359

designs of the space shuttle and so

1082

00:41:05,190 --> 00:41:03,359

obviously we've learned

1083

00:41:07,670 --> 00:41:05,200

a lot from the space shuttle experience

1084

00:41:09,430 --> 00:41:07,680

and we've applied those uh to

1085

00:41:10,790 --> 00:41:09,440

to these vehicles and and you can see it

1086

00:41:13,109 --> 00:41:10,800

you know earlier we got asked about the

1087

00:41:15,030 --> 00:41:13,119

tps issue all of that experience from

1088

00:41:16,630 --> 00:41:15,040

the shuttle is being applied right now

1089

00:41:18,710 --> 00:41:16,640

uh to this vehicle and we're taking

1090

00:41:20,790 --> 00:41:18,720

advantage of that and so that's not only

1091

00:41:23,349 --> 00:41:20,800

making it safer for us but

1092

00:41:24,630 --> 00:41:23,359

as we as we look at uh potentially other

1093

00:41:26,069 --> 00:41:24,640

folks being able to fly on these

1094

00:41:28,309 --> 00:41:26,079

vehicles it's making it safer for them

1095

00:41:29,750 --> 00:41:28,319

as well and having the the 20 years of

1096

00:41:31,190 --> 00:41:29,760

human presence in low earth orbit has

1097

00:41:33,670 --> 00:41:31,200

given us the time to work out the

1098

00:41:35,349 --> 00:41:33,680

operations the technology and and and

1099

00:41:37,510 --> 00:41:35,359

the teamwork really the partnership the

1100

00:41:38,630 --> 00:41:37,520

15 to 18 nations that that make it

1101

00:41:40,309 --> 00:41:38,640

possible for us to have this

1102

00:41:43,030 --> 00:41:40,319

international space station so that's

1103

00:41:45,270 --> 00:41:43,040

also grown our abilities to to work and

1104

00:41:47,430 --> 00:41:45,280

live in space

1105

00:41:51,030 --> 00:41:47,440

all right let's go to mary lou bender

1106

00:41:55,990 --> 00:41:53,750

hi thank you this is mary liz

1107

00:41:58,390 --> 00:41:56,000

so lately i've been talking to retired

1108

00:41:59,910 --> 00:41:58,400

astronaut nicole stott about a subject

1109

00:42:01,910 --> 00:41:59,920

near and dear to her

1110

00:42:04,870 --> 00:42:01,920

she says that she's always so grateful

1111

00:42:07,670 --> 00:42:04,880

that someone insisted that she take her

1112

00:42:10,150 --> 00:42:07,680

humanity with her on her human space

1113

00:42:12,230 --> 00:42:10,160

flight and for her that meant painting

1114

00:42:14,470 --> 00:42:12,240

in space and i'm curious what this might

1115

00:42:16,630 --> 00:42:14,480

mean for you all have you decided to

1116

00:42:18,150 --> 00:42:16,640

bring something special in your personal

1117

00:42:22,870 --> 00:42:18,160

effects or have you thought about how

1118

00:42:27,430 --> 00:42:26,630

good question for me yes yes

1119

00:42:30,710 --> 00:42:27,440

and

1120

00:42:32,630 --> 00:42:30,720

unfortunately i don't have the same

1121

00:42:35,270 --> 00:42:32,640

talents as she has when it comes to art

1122

00:42:37,589 --> 00:42:35,280

so i that is not something i will

1123

00:42:41,349 --> 00:42:37,599

probably be doing very much of in space

1124

00:42:43,109 --> 00:42:41,359

um i think a lot of my time will

1125

00:42:45,510 --> 00:42:43,119

be similar to what it was before when i

1126  
00:42:47,109 --> 00:42:45,520  
had free time looking out the window and

1127  
00:42:49,670 --> 00:42:47,119  
enjoying the perspectives of space and

1128  
00:42:51,270 --> 00:42:49,680  
then thinking of ways that we can

1129  
00:42:52,950 --> 00:42:51,280  
communicate that to the rest of the

1130  
00:42:54,470 --> 00:42:52,960  
world because communicating what we're

1131  
00:42:55,120 --> 00:42:54,480  
doing in our experiences up there is

1132  
00:42:56,829 --> 00:42:55,130  
hugely

1133  
00:42:59,750 --> 00:42:56,839  
[Music]

1134  
00:43:03,750 --> 00:42:59,760  
important all right let's go to frida

1135  
00:43:08,870 --> 00:43:07,589  
yeah uh i also wanted to ask

1136  
00:43:11,109 --> 00:43:08,880  
um

1137  
00:43:15,270 --> 00:43:11,119  
sorry she's kind of nervous

1138  
00:43:15,280 --> 00:43:17,750

so

1139

00:43:22,230 --> 00:43:20,550

which is mainly how different it was

1140

00:43:23,190 --> 00:43:22,240

working

1141

00:43:26,069 --> 00:43:23,200

you

1142

00:43:28,390 --> 00:43:26,079

except from victor have experienced

1143

00:43:30,630 --> 00:43:28,400

working at national

1144

00:43:31,910 --> 00:43:30,640

but how does the collaboration within

1145

00:43:36,150 --> 00:43:31,920

spacex

1146

00:43:39,990 --> 00:43:38,710

so working i think you're asking how

1147

00:43:41,829 --> 00:43:40,000

the experience has been working with

1148

00:43:45,510 --> 00:43:41,839

spacex different from maybe working at

1149

00:43:49,430 --> 00:43:47,510

yeah you know that team is is really

1150

00:43:51,430 --> 00:43:49,440

amazing and i i can't give them enough

1151

00:43:54,230 --> 00:43:51,440

kudos

1152

00:43:55,829 --> 00:43:54,240

it has made me appreciate how hard they

1153

00:43:57,829 --> 00:43:55,839

work and and how talented their

1154

00:44:00,150 --> 00:43:57,839

workforce really is every time we go

1155

00:44:02,230 --> 00:44:00,160

there i learn a ton

1156

00:44:05,030 --> 00:44:02,240

and but i also have fun i will get back

1157

00:44:06,870 --> 00:44:05,040

to to our house in the evening and just

1158

00:44:08,470 --> 00:44:06,880

be mentally exhausted maybe physically

1159

00:44:10,069 --> 00:44:08,480

exhausted and then we'll sit around

1160

00:44:12,230 --> 00:44:10,079

dinner talking about how much we learn

1161

00:44:14,390 --> 00:44:12,240

but we'll all have smiles on our faces

1162

00:44:16,470 --> 00:44:14,400

and i think the the nasa culture has

1163

00:44:18,470 --> 00:44:16,480

been improved by working with spacex and

1164

00:44:20,630 --> 00:44:18,480

i think spacex's culture has been

1165

00:44:22,230 --> 00:44:20,640

improved by working with nasa they

1166

00:44:23,910 --> 00:44:22,240

appreciate different things about us

1167

00:44:25,589 --> 00:44:23,920

having all of that experience mike and

1168

00:44:27,750 --> 00:44:25,599

shannon talked about earlier and we

1169

00:44:30,550 --> 00:44:27,760

appreciate their talent and their their

1170

00:44:32,550 --> 00:44:30,560

uh operations tempo uh they move pretty

1171

00:44:34,630 --> 00:44:32,560

fast and so they do things that are that

1172

00:44:36,150 --> 00:44:34,640

seem to us to be pretty amazing uh but

1173

00:44:37,829 --> 00:44:36,160

they they they do that with a lot of

1174

00:44:40,150 --> 00:44:37,839

talent and professionalism

1175

00:44:41,670 --> 00:44:40,160

and i i would add to that that it's

1176

00:44:42,950 --> 00:44:41,680

in some ways it's very interesting and

1177

00:44:45,109 --> 00:44:42,960

similar to

1178

00:44:47,030 --> 00:44:45,119

um our international partnership when we

1179

00:44:48,470 --> 00:44:47,040

first started our our international

1180

00:44:50,790 --> 00:44:48,480

partners all came with their own

1181

00:44:52,950 --> 00:44:50,800

experiences and approaches and ways of

1182

00:44:55,349 --> 00:44:52,960

doing business and we've all come

1183

00:44:57,349 --> 00:44:55,359

together sort of in the center of having

1184

00:44:58,790 --> 00:44:57,359

one very functional group working

1185

00:45:01,030 --> 00:44:58,800

together and so now we're bringing

1186

00:45:02,870 --> 00:45:01,040

spacex into the team and we're learning

1187

00:45:04,470 --> 00:45:02,880

from spacex and spacex is learning from

1188

00:45:06,790 --> 00:45:04,480

the partnership so it's a very

1189

00:45:09,030 --> 00:45:06,800

interesting process

1190

00:45:12,069 --> 00:45:09,040

all right let's go back to c lynn barber

1191

00:45:14,309 --> 00:45:12,079

with gannett publications

1192

00:45:15,750 --> 00:45:14,319

great thank you so much megan um i

1193

00:45:18,309 --> 00:45:15,760

haven't heard as much about the

1194

00:45:20,309 --> 00:45:18,319

scientific experiment that you might be

1195

00:45:23,109 --> 00:45:20,319

maintaining or

1196

00:45:24,710 --> 00:45:23,119

are conducting while upon the iss would

1197

00:45:26,309 --> 00:45:24,720

any of you like to share

1198

00:45:28,150 --> 00:45:26,319

what science experiments you're going to

1199

00:45:29,109 --> 00:45:28,160

be working on

1200

00:45:30,550 --> 00:45:29,119

well

1201

00:45:32,230 --> 00:45:30,560

so i think a part of that is with the

1202

00:45:33,829 --> 00:45:32,240

the flexibility we've had to maintain

1203

00:45:35,030 --> 00:45:33,839

for launch dates it means that the the

1204

00:45:37,109 --> 00:45:35,040

experiments that are going to be up

1205

00:45:39,190 --> 00:45:37,119

there while we're there uh could vary

1206

00:45:41,430 --> 00:45:39,200

and so we've had to train on a variety

1207

00:45:44,069 --> 00:45:41,440

of them and one that i'm really looking

1208

00:45:45,349 --> 00:45:44,079

forward to is food physiology

1209

00:45:46,630 --> 00:45:45,359

because i love to eat and it's going to

1210

00:45:47,750 --> 00:45:46,640

allow me to eat more fruits and

1211

00:45:49,270 --> 00:45:47,760

vegetables

1212

00:45:51,589 --> 00:45:49,280

as they try to you know increase the

1213

00:45:53,270 --> 00:45:51,599

amount of omega fatty acids and lycopene

1214

00:45:55,030 --> 00:45:53,280

and flavonoids to see how it affects

1215

00:45:56,790 --> 00:45:55,040

your your your gut health and your

1216

00:45:58,550 --> 00:45:56,800

immune system and your overall nutrition

1217

00:46:03,589 --> 00:45:58,560

so i'm looking forward to food

1218

00:46:07,349 --> 00:46:05,190

all right anyone else on science

1219

00:46:08,550 --> 00:46:07,359

experiments well i got maybe out some

1220

00:46:10,550 --> 00:46:08,560

obviously

1221

00:46:12,870 --> 00:46:10,560

we have a variety of a science

1222

00:46:15,190 --> 00:46:12,880

experiment which didn't exist 10 years

1223

00:46:17,349 --> 00:46:15,200

ago when shannon and i flew so uh right

1224

00:46:19,910 --> 00:46:17,359

now we have a lot of new uh

1225

00:46:21,829 --> 00:46:19,920

new teams like biotechnology and gene

1226

00:46:25,109 --> 00:46:21,839

technology and also we are doing a lot

1227

00:46:27,589 --> 00:46:25,119

of microsoft deployment we are using our

1228

00:46:29,589 --> 00:46:27,599

kibo airlock which did not exist 10

1229

00:46:32,069 --> 00:46:29,599

years ago so with a lot of

1230

00:46:33,190 --> 00:46:32,079

new ways to explore the science these

1231

00:46:36,069 --> 00:46:33,200

days

1232

00:46:37,670 --> 00:46:36,079

all right thanks great question um just

1233

00:46:39,430 --> 00:46:37,680

a reminder if you have a question on the

1234

00:46:41,829 --> 00:46:39,440

phone you can press star one to ask your

1235

00:46:42,790 --> 00:46:41,839

question or star to to withdraw your

1236

00:46:44,630 --> 00:46:42,800

question

1237

00:46:46,630 --> 00:46:44,640

all right let's take a couple of more

1238

00:46:48,710 --> 00:46:46,640

questions from social media

1239

00:46:50,550 --> 00:46:48,720

margaret on facebook wants to know about

1240

00:46:53,109 --> 00:46:50,560

your patch what are the symbols in the

1241

00:46:55,670 --> 00:46:53,119

patch what does it stand for

1242

00:46:57,829 --> 00:46:55,680

so the symbols on the on the bottom of

1243

00:46:59,829 --> 00:46:57,839

the patch on that border that are that

1244

00:47:02,150 --> 00:46:59,839

are kind of the shadow symbols uh they

1245

00:47:04,390 --> 00:47:02,160

represent the previous u.s launch

1246

00:47:05,910 --> 00:47:04,400

vehicles and so that's the the mercury

1247

00:47:07,750 --> 00:47:05,920

the gemini the apollo and then you'll

1248

00:47:09,829 --> 00:47:07,760

see the shuttle symbol there and of

1249

00:47:12,790 --> 00:47:09,839

course that's then flowing into the crew

1250

00:47:14,710 --> 00:47:12,800

dragon and if you look above the head of

1251

00:47:16,390 --> 00:47:14,720

the of the dragon in the background

1252

00:47:17,910 --> 00:47:16,400

you'll see the the outline of the

1253

00:47:20,630 --> 00:47:17,920

international space station which is our

1254

00:47:22,390 --> 00:47:20,640

destination right now

1255

00:47:24,710 --> 00:47:22,400

all right another question from the

1256

00:47:26,630 --> 00:47:24,720

spacex reddit group on twitter can

1257

00:47:29,349 --> 00:47:26,640

astronauts customize their suit and

1258

00:47:33,030 --> 00:47:29,359

helmet colors so ichinoguchi had a cool

1259

00:47:38,150 --> 00:47:35,990

well the short answer is we wish but not

1260

00:47:40,150 --> 00:47:38,160

actually guys of the yeah i actually

1261

00:47:42,470 --> 00:47:40,160

like those the black helmets i put it on

1262

00:47:45,910 --> 00:47:42,480

my twitter but that's not the official

1263

00:47:48,390 --> 00:47:45,920

flight helmet the spacex has a nice uh

1264

00:47:50,790 --> 00:47:48,400

nice design scheme and it's really

1265

00:47:52,950 --> 00:47:50,800

actually nice a white helmet and i don't

1266

00:47:56,630 --> 00:47:52,960

think we have luxury of changing the

1267

00:47:59,349 --> 00:47:56,640

spacesuit in any of the shuttle soyuz

1268

00:48:01,589 --> 00:47:59,359

and uh but the spacesuit actually looks

1269

00:48:02,630 --> 00:48:01,599

really fantastic

1270

00:48:05,589 --> 00:48:02,640

all right

1271

00:48:07,990 --> 00:48:05,599

um let's go to jeff on facebook are

1272

00:48:10,150 --> 00:48:08,000

there any fun easter eggs on crew dragon

1273

00:48:12,549 --> 00:48:10,160

that you know of or fun features people

1274

00:48:13,990 --> 00:48:12,559

might not know about

1275

00:48:15,829 --> 00:48:14,000

we would we would love to know if

1276

00:48:17,910 --> 00:48:15,839

there's some fun easter eggs out there

1277

00:48:19,829 --> 00:48:17,920

uh i don't i don't i don't know i'm not

1278

00:48:23,030 --> 00:48:19,839

aware of

1279

00:48:27,030 --> 00:48:23,040

going to share them right now oh man

1280

00:48:30,870 --> 00:48:27,990

all right

1281

00:48:32,950 --> 00:48:30,880

and for our final question for today um

1282

00:48:35,430 --> 00:48:32,960

let's go to

1283

00:48:38,069 --> 00:48:35,440

mary on twitter what do you as

1284

00:48:39,829 --> 00:48:38,079

astronauts consider a personal goal

1285

00:48:41,109 --> 00:48:39,839

during the crew one mission maybe each

1286

00:48:42,510 --> 00:48:41,119

of you can

1287

00:48:45,030 --> 00:48:42,520

give a brief answer here

1288

00:48:45,829 --> 00:48:45,040

[Music]

1289

00:48:50,870 --> 00:48:45,839

so

1290

00:48:52,549 --> 00:48:50,880

this one is is probably fairly obvious

1291

00:48:54,630 --> 00:48:52,559

but for all of us it's to land safely

1292

00:48:57,510 --> 00:48:54,640

and return to our families um and and

1293

00:49:00,870 --> 00:48:57,520

that's kind of first first and foremost

1294

00:49:02,390 --> 00:49:00,880

i i think one of my other goals is

1295

00:49:04,950 --> 00:49:02,400

i'm very excited to

1296

00:49:08,069 --> 00:49:04,960

fly with with victor on his on his first

1297

00:49:10,630 --> 00:49:08,079

flight and um you know part of that goal

1298

00:49:12,950 --> 00:49:10,640

then is is looking forward to

1299

00:49:14,390 --> 00:49:12,960

uh seeing what he does uh on his next

1300

00:49:16,710 --> 00:49:14,400

flight

1301  
00:49:19,109 --> 00:49:16,720  
you know i've listened to the advice of

1302  
00:49:21,270 --> 00:49:19,119  
of my colleagues and good friends and

1303  
00:49:23,030 --> 00:49:21,280  
and i'm going to make a point to try and

1304  
00:49:24,790 --> 00:49:23,040  
capture the moments take a lot of

1305  
00:49:26,549 --> 00:49:24,800  
pictures of the things that we do inside

1306  
00:49:28,390 --> 00:49:26,559  
not just our beautiful planet but but

1307  
00:49:30,390 --> 00:49:28,400  
also of my crewmates as well to try and

1308  
00:49:34,309 --> 00:49:30,400  
really capture that experience but also

1309  
00:49:37,190 --> 00:49:34,319  
just to experience it itself

1310  
00:49:38,150 --> 00:49:37,200  
victor's goal is very similar to my goal

1311  
00:49:39,829 --> 00:49:38,160  
um

1312  
00:49:42,069 --> 00:49:39,839  
you know we've we've

1313  
00:49:44,150 --> 00:49:42,079

worked very hard to get to this position

1314

00:49:46,069 --> 00:49:44,160

we know we've got a lot of hard work

1315

00:49:48,630 --> 00:49:46,079

ahead of us on the space station so we

1316

00:49:51,270 --> 00:49:48,640

want to accomplish our work but still

1317

00:49:53,750 --> 00:49:51,280

have a lot of fun doing it so if we can

1318

00:49:56,230 --> 00:49:53,760

come back as a happy crew like uh we're

1319

00:49:58,630 --> 00:49:56,240

going into spaces that's gonna be a good

1320

00:50:01,510 --> 00:49:58,640

a good thing that's a good goal

1321

00:50:03,750 --> 00:50:01,520

all right i would say i would say

1322

00:50:05,349 --> 00:50:03,760

every day is a new day in space

1323

00:50:08,710 --> 00:50:05,359

enjoy every moment

1324

00:50:11,030 --> 00:50:08,720

return home with smile

1325

00:50:12,630 --> 00:50:11,040

that's great thank you all so much for

1326

00:50:13,829 --> 00:50:12,640

joining us today and for taking

1327

00:50:15,910 --> 00:50:13,839

questions

1328

00:50:17,829 --> 00:50:15,920

we are so excited to see you launch on

1329

00:50:20,069 --> 00:50:17,839

october 31st

1330

00:50:22,390 --> 00:50:20,079

you can watch these guys launch on nasa

1331

00:50:24,790 --> 00:50:22,400

tv online at [nasa.gov](http://nasa.gov)

1332

00:50:27,829 --> 00:50:24,800

live or on facebook live on the nasa

1333

00:50:30,309 --> 00:50:27,839

facebook page you can also join

1334

00:50:33,030 --> 00:50:30,319

mike victor and shannon tomorrow at 10

1335

00:50:35,510 --> 00:50:33,040

15 a.m eastern time on instagram live on

1336

00:50:37,190 --> 00:50:35,520

the nasa instagram page

1337

00:50:39,430 --> 00:50:37,200

and you can follow updates on social

1338

00:50:42,230 --> 00:50:39,440

media by following nasa space station

1339

00:50:44,870 --> 00:50:42,240

commercial crew and also

1340

00:50:46,390 --> 00:50:44,880

victor mike and suici on twitter

1341

00:50:49,190 --> 00:50:46,400

good luck guys and thank you everyone

1342

00:50:49,200 --> 00:50:54,420

thanks everyone