



1
00:00:28,870 --> 00:00:17,550
discovery no adrenaline

2
00:00:33,910 --> 00:00:30,470
station this is houston are you ready

3
00:00:39,590 --> 00:00:36,990
hello houston we're ready for the event

4
00:00:42,630 --> 00:00:39,600
jcpao this is mission control houston

5
00:00:45,590 --> 00:00:42,640
please call station for voice check

6
00:00:48,549 --> 00:00:45,600
station this is jscpao how do you hear

7
00:00:51,990 --> 00:00:50,549
jcpao loud and clear welcome to the

8
00:00:54,790 --> 00:00:52,000
space station

9
00:00:56,150 --> 00:00:54,800
thank you great well welcome and good

10
00:00:58,549 --> 00:00:56,160
morning from houston

11
00:01:00,150 --> 00:00:58,559
and thank you all for joining us today

12
00:01:00,790 --> 00:01:00,160
we have many questions already in the

13
00:01:03,430 --> 00:01:00,800

queue

14

00:01:05,109 --> 00:01:03,440

for our crew as a reminder for our media

15

00:01:07,590 --> 00:01:05,119

on the phone bridge

16

00:01:08,310 --> 00:01:07,600

please press star one if you have a

17

00:01:12,870 --> 00:01:08,320

question

18

00:01:15,830 --> 00:01:12,880

if it gets answered

19

00:01:16,469 --> 00:01:15,840

all right let's jump in um we will start

20

00:01:22,310 --> 00:01:16,479

with

21

00:01:25,510 --> 00:01:24,230

hi guys uh thanks for taking the

22

00:01:27,270 --> 00:01:25,520

questions uh

23

00:01:28,870 --> 00:01:27,280

and i hope you can hear me pretty well

24

00:01:31,910 --> 00:01:28,880

up there um

25

00:01:33,510 --> 00:01:31,920

i'm curious to hear a little bit more uh

26

00:01:36,310 --> 00:01:33,520

about your experience

27

00:01:38,069 --> 00:01:36,320

testing out crew dragon in the interim

28

00:01:41,350 --> 00:01:38,079

time you've been up there

29

00:01:44,630 --> 00:01:41,360

as well as if you guys feel like you

30

00:01:46,630 --> 00:01:44,640

you're ready to come back now uh given

31

00:01:48,550 --> 00:01:46,640

the amount of time it's been already

32

00:01:50,230 --> 00:01:48,560

uh but whether or not this experience is

33

00:01:51,350 --> 00:01:50,240

one that you'd uh you'd rather be

34

00:01:52,870 --> 00:01:51,360

sticking up there or

35

00:01:58,789 --> 00:01:52,880

are coming back down to test out the

36

00:02:02,469 --> 00:02:01,270

well michael that's a several questions

37

00:02:04,469 --> 00:02:02,479

i'll see if i can remember

38

00:02:06,630 --> 00:02:04,479

all of them but i think you know from an

39

00:02:07,990 --> 00:02:06,640

on orbit testing standpoint we did

40

00:02:10,550 --> 00:02:08,000

habitability testing we

41

00:02:11,350 --> 00:02:10,560

tested interfaces we tested emergency

42

00:02:14,710 --> 00:02:11,360

com we

43

00:02:15,110 --> 00:02:14,720

we tested emergency equipment and uh

44

00:02:18,150 --> 00:02:15,120

just

45

00:02:19,510 --> 00:02:18,160

generically how we work with the dragon

46

00:02:21,510 --> 00:02:19,520

docked on board you know

47

00:02:23,430 --> 00:02:21,520

transferring equipment transferring

48

00:02:24,309 --> 00:02:23,440

supplies we're going to do a fair amount

49

00:02:26,630 --> 00:02:24,319

of that

50

00:02:29,750 --> 00:02:26,640

again tomorrow when we return equipment

51
00:02:33,030 --> 00:02:29,760
or supplies back to earth

52
00:02:34,470 --> 00:02:33,040
so most of that went exactly as we

53
00:02:35,670 --> 00:02:34,480
planned there was a couple little tweaks

54
00:02:37,350 --> 00:02:35,680
here and there but for the most part

55
00:02:39,589 --> 00:02:37,360
we've had pretty good uh

56
00:02:41,509 --> 00:02:39,599
pretty good luck with with endeavor as

57
00:02:42,550 --> 00:02:41,519
far as on-orbit testing is performed

58
00:02:46,229 --> 00:02:42,560
just like it did for

59
00:02:49,750 --> 00:02:46,239
launch and rendezvous so we expect

60
00:02:52,790 --> 00:02:49,760
nothing different for the splashdown

61
00:02:55,589 --> 00:02:52,800
experience up here has been uh

62
00:02:57,030 --> 00:02:55,599
like i think every space flight for for

63
00:02:58,790 --> 00:02:57,040

most of us is a

64

00:03:01,110 --> 00:02:58,800

once-in-a-lifetime experience and and

65

00:03:02,949 --> 00:03:01,120

this one probably is a great uh

66

00:03:04,630 --> 00:03:02,959

topper at least for me personally you

67

00:03:07,270 --> 00:03:04,640

know just to be able to

68

00:03:09,270 --> 00:03:07,280

live and work aboard space station uh a

69

00:03:09,910 --> 00:03:09,280

facility that the three of us all helped

70

00:03:13,990 --> 00:03:09,920

build

71

00:03:16,070 --> 00:03:14,000

uh in uh during the shuttle uh flights

72

00:03:18,390 --> 00:03:16,080

and uh just it's been great to be a crew

73

00:03:20,630 --> 00:03:18,400

member with chris and bob

74

00:03:22,949 --> 00:03:20,640

on the day on a day-to-day basis uh

75

00:03:24,869 --> 00:03:22,959

supporting iss operations supporting

76

00:03:26,869 --> 00:03:24,879

science supporting maintenance

77

00:03:29,670 --> 00:03:26,879

the spacewalks the four spacewalks that

78

00:03:32,149 --> 00:03:29,680

these guys did the robotics that we did

79

00:03:33,830 --> 00:03:32,159

was just just an incredible experience

80

00:03:38,470 --> 00:03:33,840

and one that i will absolutely never

81

00:03:47,190 --> 00:03:41,750

thank you so next up we have

82

00:03:49,430 --> 00:03:47,200

russell pounds from pacific rim media

83

00:03:51,350 --> 00:03:49,440

good morning uh i'm not sure which one

84

00:03:51,670 --> 00:03:51,360

of you may have had this experience but

85

00:03:53,830 --> 00:03:51,680

uh

86

00:03:54,710 --> 00:03:53,840

there's a quote i've always appreciated

87

00:03:57,910 --> 00:03:54,720

from arthur c

88

00:03:59,030 --> 00:03:57,920

clarke it says any sufficiently advanced

89

00:04:01,589 --> 00:03:59,040

technology is

90

00:04:02,390 --> 00:04:01,599

indistinguishable from magic so the

91

00:04:05,750 --> 00:04:02,400

question is

92

00:04:07,910 --> 00:04:05,760

what experience did you have that

93

00:04:09,670 --> 00:04:07,920

give you that aha feeling it embodies

94

00:04:18,390 --> 00:04:09,680

that notion of

95

00:04:22,790 --> 00:04:21,189

it's a interesting question i i think to

96

00:04:25,030 --> 00:04:22,800

you know really put something out there

97

00:04:25,430 --> 00:04:25,040

as so advanced technologically that we

98

00:04:27,270 --> 00:04:25,440

would

99

00:04:28,870 --> 00:04:27,280

really have to describe it as magic in

100

00:04:31,590 --> 00:04:28,880

the way that it works

101
00:04:33,110 --> 00:04:31,600
i think for all three of us you know i'm

102
00:04:34,310 --> 00:04:33,120
personally from the show me state in

103
00:04:36,070 --> 00:04:34,320
missouri so if

104
00:04:38,469 --> 00:04:36,080
something like that was to happen to me

105
00:04:40,310 --> 00:04:38,479
and i was baffled by it

106
00:04:42,150 --> 00:04:40,320
we wouldn't be scientists and engineers

107
00:04:43,749 --> 00:04:42,160
if we didn't strive to understand what

108
00:04:44,550 --> 00:04:43,759
it was and so there's that initial

109
00:04:46,950 --> 00:04:44,560
moment

110
00:04:48,629 --> 00:04:46,960
of wonder when you see something uh that

111
00:04:50,310 --> 00:04:48,639
that you don't quite understand

112
00:04:52,390 --> 00:04:50,320
and then we strive to understand it i

113
00:04:55,030 --> 00:04:52,400

think that's really our calling as

114

00:04:57,110 --> 00:04:55,040

as uh folks that you know seek out and

115

00:04:57,909 --> 00:04:57,120

contribute continue to try to find the

116

00:04:59,990 --> 00:04:57,919

answers to

117

00:05:01,110 --> 00:05:00,000

you know unknown questions anything that

118

00:05:02,790 --> 00:05:01,120

we found like that

119

00:05:04,870 --> 00:05:02,800

we would you know we would pound flat

120

00:05:07,189 --> 00:05:04,880

until we did understand it

121

00:05:07,909 --> 00:05:07,199

those sorts of situations probably for

122

00:05:10,390 --> 00:05:07,919

us

123

00:05:12,230 --> 00:05:10,400

happen mostly when it comes to things

124

00:05:14,070 --> 00:05:12,240

that don't go exactly right we think we

125

00:05:15,830 --> 00:05:14,080

fully understand something

126
00:05:18,150 --> 00:05:15,840
and it doesn't proceed the way that we

127
00:05:20,150 --> 00:05:18,160
expected it to we have a failure in a

128
00:05:22,310 --> 00:05:20,160
piece of equipment or an operation

129
00:05:24,070 --> 00:05:22,320
and it's a failure of the imagination

130
00:05:26,390 --> 00:05:24,080
and then we strive to take it apart

131
00:05:27,590 --> 00:05:26,400
bit by bit i think every space program

132
00:05:30,629 --> 00:05:27,600
has had its

133
00:05:31,590 --> 00:05:30,639
share of those sorts of events that we

134
00:05:33,830 --> 00:05:31,600
had to

135
00:05:35,909 --> 00:05:33,840
really dig down and try to understand

136
00:05:37,270 --> 00:05:35,919
what we didn't understand

137
00:05:39,670 --> 00:05:37,280
and make sure we had a handle on it

138
00:05:42,629 --> 00:05:39,680

before we continued with operations

139

00:05:44,550 --> 00:05:42,639

i think probably the three of us uh at

140

00:05:48,629 --> 00:05:44,560

least from the technological perspective

141

00:05:56,710 --> 00:05:52,390

thanks bob so now we have chris

142

00:06:00,710 --> 00:05:59,909

hey guys uh hope you're well um quick

143

00:06:02,230 --> 00:06:00,720

question

144

00:06:03,990 --> 00:06:02,240

so obviously the first water landing

145

00:06:06,629 --> 00:06:04,000

since 1975

146

00:06:08,710 --> 00:06:06,639

i was curious if you have spoken uh to

147

00:06:10,710 --> 00:06:08,720

any of the apollo astronauts about that

148

00:06:12,150 --> 00:06:10,720

and what advice they may have given you

149

00:06:13,670 --> 00:06:12,160

uh and then also i wonder if you could

150

00:06:15,110 --> 00:06:13,680

talk a little bit of your training and

151
00:06:16,150 --> 00:06:15,120
how much of it was dedicated to a

152
00:06:17,670 --> 00:06:16,160
splashdown

153
00:06:23,670 --> 00:06:17,680
just given the differences from a

154
00:06:28,950 --> 00:06:26,870
hey good morning chris we didn't

155
00:06:31,189 --> 00:06:28,960
talk specifically with apollo astronauts

156
00:06:32,390 --> 00:06:31,199
but i remember specifically when i was

157
00:06:33,830 --> 00:06:32,400
still

158
00:06:36,070 --> 00:06:33,840
before i was even assigned to this

159
00:06:37,990 --> 00:06:36,080
flight working at the flight operations

160
00:06:39,830 --> 00:06:38,000
reading the uh after action reports from

161
00:06:41,189 --> 00:06:39,840
the skylab astronauts which was a little

162
00:06:42,710 --> 00:06:41,199
bit more applicable

163
00:06:44,870 --> 00:06:42,720

in that those flights were a little bit

164

00:06:47,270 --> 00:06:44,880

longer and uh

165

00:06:49,110 --> 00:06:47,280

you know the water landing portion of it

166

00:06:51,189 --> 00:06:49,120

is pretty challenging from a

167

00:06:52,550 --> 00:06:51,199

physiological standpoint just after

168

00:06:54,870 --> 00:06:52,560

coming back from

169

00:06:57,189 --> 00:06:54,880

being in microgravity for on the order

170

00:06:58,390 --> 00:06:57,199

of one to two months i think the longest

171

00:07:00,950 --> 00:06:58,400

skylab mission was

172

00:07:02,230 --> 00:07:00,960

close to three months which is very

173

00:07:05,350 --> 00:07:02,240

similar to what bob and i

174

00:07:07,189 --> 00:07:05,360

uh are are doing uh

175

00:07:09,430 --> 00:07:07,199

obviously there there was some

176
00:07:10,710 --> 00:07:09,440
challenges uh post splashdown you know

177
00:07:13,110 --> 00:07:10,720
folks didn't feel

178
00:07:14,550 --> 00:07:13,120
feel well and you know that is the way

179
00:07:17,589 --> 00:07:14,560
it is with the water landing

180
00:07:18,390 --> 00:07:17,599
even if you're not deconditioned like

181
00:07:22,070 --> 00:07:18,400
we're going to be

182
00:07:25,510 --> 00:07:22,080
so we we think what we need to do

183
00:07:28,070 --> 00:07:25,520
is do our fluid loading properly we've

184
00:07:28,550 --> 00:07:28,080
exercised very hard while we've been up

185
00:07:30,550 --> 00:07:28,560
here

186
00:07:32,550 --> 00:07:30,560
and we're just trying to put ourselves

187
00:07:35,510 --> 00:07:32,560
in the best posture to be able to

188
00:07:37,350 --> 00:07:35,520

to deal with those effects and we'll

189

00:07:39,670 --> 00:07:37,360

just see where it goes from there

190

00:07:41,430 --> 00:07:39,680

the ground teams are fully aware of the

191

00:07:43,909 --> 00:07:41,440

challenges of the water landing and

192

00:07:44,710 --> 00:07:43,919

and what it does to the human body and

193

00:07:46,070 --> 00:07:44,720

you know we'll just

194

00:07:47,510 --> 00:07:46,080

take it from there once we get on board

195

00:07:48,950 --> 00:07:47,520

the ship we've got the the flight

196

00:07:49,909 --> 00:07:48,960

surgeons on board that will be able to

197

00:07:52,629 --> 00:07:49,919

help us as well

198

00:07:53,909 --> 00:07:52,639

so all those things are uh have been

199

00:07:56,309 --> 00:07:53,919

thought about or in place

200

00:07:57,110 --> 00:07:56,319

and uh you know other than that it's

201

00:07:59,749 --> 00:07:57,120

just time to go

202

00:08:03,110 --> 00:07:59,759

give it a give it a try and and see how

203

00:08:10,150 --> 00:08:06,550

all right we'll go to eric berger from

204

00:08:13,749 --> 00:08:11,990

hi guys looking forward to seeing you

205

00:08:15,670 --> 00:08:13,759

come home hopefully this weekend

206

00:08:17,749 --> 00:08:15,680

um a couple questions first of all is it

207

00:08:19,430 --> 00:08:17,759

true that technical documents refer to

208

00:08:21,510 --> 00:08:19,440

the toilet on board crew dragon as

209

00:08:23,270 --> 00:08:21,520

komodo dragon

210

00:08:25,749 --> 00:08:23,280

and how would you characterize the

211

00:08:27,110 --> 00:08:25,759

habitable volume inside dragon like

212

00:08:28,550 --> 00:08:27,120

would you be comfortable in there for

213

00:08:35,110 --> 00:08:28,560

for more than a couple days with two or

214

00:08:39,350 --> 00:08:38,070

well erica good to talk to you i i think

215

00:08:41,909 --> 00:08:39,360

we're not familiar with that

216

00:08:43,509 --> 00:08:41,919

komodo dragon reference for our on-orbit

217

00:08:45,190 --> 00:08:43,519

procedure so that's uh

218

00:08:46,949 --> 00:08:45,200

not what we call it the only other name

219

00:08:47,750 --> 00:08:46,959

other than crew dragon we've used is

220

00:08:50,070 --> 00:08:47,760

endeavor

221

00:08:51,670 --> 00:08:50,080

and we really appreciate the spacex guys

222

00:08:53,509 --> 00:08:51,680

uh allowing us for being comfortable

223

00:08:55,110 --> 00:08:53,519

with us uh putting a moniker

224

00:09:02,790 --> 00:08:55,120

on board their ship it's something that

225

00:09:06,710 --> 00:09:05,190

and as far as the capital habitable

226

00:09:09,509 --> 00:09:06,720

volume inside of the

227

00:09:10,389 --> 00:09:09,519

dragon capsule it's a it's relatively

228

00:09:12,310 --> 00:09:10,399

small

229

00:09:14,230 --> 00:09:12,320

so if you tried to put a full crew of

230

00:09:14,790 --> 00:09:14,240

seven like we had on the space shuttle

231

00:09:17,430 --> 00:09:14,800

days

232

00:09:19,509 --> 00:09:17,440

inside that volume it would be a stay in

233

00:09:22,150 --> 00:09:19,519

your seat sort of a situation

234

00:09:23,750 --> 00:09:22,160

but with three or four people uh the

235

00:09:25,750 --> 00:09:23,760

operations normally will

236

00:09:27,030 --> 00:09:25,760

you know your job will be to be in your

237

00:09:28,949 --> 00:09:27,040

seat for the

238

00:09:30,710 --> 00:09:28,959

ascent and the the docking and then of

239

00:09:32,630 --> 00:09:30,720

course the the splashdown and so there's

240

00:09:35,430 --> 00:09:32,640

plenty of room in those locations and

241

00:09:36,550 --> 00:09:35,440

and around the interior of the vehicle

242

00:09:38,550 --> 00:09:36,560

you know there is some

243

00:09:39,910 --> 00:09:38,560

some spaces that can folks can get out

244

00:09:40,389 --> 00:09:39,920

of their seats and kind of have their

245

00:09:43,269 --> 00:09:40,399

own

246

00:09:44,389 --> 00:09:43,279

small area to to be in so i wouldn't say

247

00:09:48,150 --> 00:09:44,399

it's a

248

00:09:50,310 --> 00:09:48,160

phone booth sort of a densely packed

249

00:09:54,150 --> 00:09:50,320

but it definitely is cozy if you uh were

250

00:10:01,910 --> 00:09:57,670

all right now we have james rogers from

251

00:10:07,509 --> 00:10:04,949

good morning so

252

00:10:08,710 --> 00:10:07,519

um i have a quick question with regards

253

00:10:10,630 --> 00:10:08,720

to the splashdown

254

00:10:13,030 --> 00:10:10,640

two questions really obviously the

255

00:10:15,509 --> 00:10:13,040

splashdown is such an iconic moment

256

00:10:16,710 --> 00:10:15,519

in terms of the you know in terms of

257

00:10:19,829 --> 00:10:16,720

space missions we've been

258

00:10:22,150 --> 00:10:19,839

seeing that yes but what's your first

259

00:10:23,190 --> 00:10:22,160

experience of watching splashdowns on tv

260

00:10:24,710 --> 00:10:23,200

and also

261

00:10:26,389 --> 00:10:24,720

kind of related to that you know we have

262

00:10:28,630 --> 00:10:26,399

this new spacecraft you know it's been

263

00:10:31,110 --> 00:10:28,640

designed to perform better

264

00:10:33,910 --> 00:10:31,120

in a splashdown scenario how does what

265

00:10:35,829 --> 00:10:33,920

this capsule offer kind of differs to

266

00:10:44,829 --> 00:10:35,839

differ to the you know to the capsules

267

00:10:48,790 --> 00:10:46,630

splashdowns

268

00:10:50,550 --> 00:10:48,800

okay um yeah we had a hard time

269

00:10:53,750 --> 00:10:50,560

understanding that the question but i

270

00:10:56,630 --> 00:10:53,760

think uh just in relation to splashdown

271

00:10:58,949 --> 00:10:56,640

as far as what we would experience is

272

00:11:00,870 --> 00:10:58,959

that what you were asking

273

00:11:02,310 --> 00:11:00,880

yeah and also just in terms of you know

274

00:11:04,710 --> 00:11:02,320

kind of how does the how does this

275

00:11:06,470 --> 00:11:04,720

capsule differ in terms of

276

00:11:09,030 --> 00:11:06,480

you know the prior capsules that we used

277

00:11:12,230 --> 00:11:09,040

in splashdown scenarios i know a lot of

278

00:11:13,590 --> 00:11:12,240

design attention is being paid to that

279

00:11:21,190 --> 00:11:13,600

and so how is it different how is it

280

00:11:28,710 --> 00:11:24,710

okay we i think we got it that time um

281

00:11:31,590 --> 00:11:28,720

yeah the uh the recovery of dragon

282

00:11:32,470 --> 00:11:31,600

after splashdown is that there'll be a

283

00:11:34,550 --> 00:11:32,480

couple of uh

284

00:11:35,910 --> 00:11:34,560

what we call fast boats will come up to

285

00:11:38,630 --> 00:11:35,920

the to the capsule

286

00:11:40,389 --> 00:11:38,640

at that point and make sure uh

287

00:11:41,509 --> 00:11:40,399

everything is safe on the outside of the

288

00:11:46,069 --> 00:11:41,519

capsule

289

00:11:48,870 --> 00:11:46,079

for it to be hoisted on board the

290

00:11:49,670 --> 00:11:48,880

recovery ship and then at that point the

291

00:11:51,750 --> 00:11:49,680

recovery ship

292

00:11:53,350 --> 00:11:51,760

is is moving in and in communications

293

00:11:55,430 --> 00:11:53,360

with the fast boats and once

294

00:11:57,110 --> 00:11:55,440

everybody gives the thumbs up that we're

295

00:12:00,150 --> 00:11:57,120

ready to be hoisted aboard

296

00:12:03,190 --> 00:12:00,160

it'll get lifted aboard by a crane

297

00:12:04,150 --> 00:12:03,200

and cradled on board the aft portion of

298

00:12:06,389 --> 00:12:04,160

the ship

299

00:12:07,269 --> 00:12:06,399

and then at that point once it's secured

300

00:12:09,430 --> 00:12:07,279

on on the

301
00:12:10,470 --> 00:12:09,440
back deck of the ship then they can open

302
00:12:12,150 --> 00:12:10,480
the hatch and

303
00:12:15,910 --> 00:12:12,160
it will be time for us to get out

304
00:12:23,990 --> 00:12:19,430
thank you doug so next up we have david

305
00:12:27,030 --> 00:12:24,000
curley with discovery channel

306
00:12:28,470 --> 00:12:27,040
uh crew dragon crew thank you and

307
00:12:30,310 --> 00:12:28,480
commander of the station thank you for

308
00:12:32,389 --> 00:12:30,320
taking the questions uh

309
00:12:33,670 --> 00:12:32,399
everybody knows there are parts of

310
00:12:37,190 --> 00:12:33,680
flight that are extreme

311
00:12:39,110 --> 00:12:37,200
it is re-entry in this case

312
00:12:40,550 --> 00:12:39,120
the chief engineer of spacex says he's a

313
00:12:42,389 --> 00:12:40,560

little bit worried about plasma

314

00:12:43,990 --> 00:12:42,399

and potentially getting into the super

315

00:12:45,590 --> 00:12:44,000

draco pods

316

00:12:47,590 --> 00:12:45,600

bob you said you weren't nervous you're

317

00:12:49,110 --> 00:12:47,600

a lot closer now what do you think

318

00:12:50,870 --> 00:12:49,120

and chunks did you just say you're going

319

00:12:52,310 --> 00:12:50,880

to have a bag ready which is completely

320

00:12:58,470 --> 00:12:52,320

understandable splashdown

321

00:13:01,750 --> 00:13:01,110

well howdy i think you know as we get

322

00:13:03,910 --> 00:13:01,760

closer

323

00:13:06,230 --> 00:13:03,920

i think we really focus more and more on

324

00:13:07,750 --> 00:13:06,240

our preparations of to be ready for the

325

00:13:10,310 --> 00:13:07,760

splashdown activities

326

00:13:11,750 --> 00:13:10,320

we spent the day today working through

327

00:13:13,750 --> 00:13:11,760

the onboard training that will

328

00:13:14,710 --> 00:13:13,760

re-familiarize us with the splashdown

329

00:13:16,870 --> 00:13:14,720

activities

330

00:13:18,710 --> 00:13:16,880

uh what our responsibilities will be the

331

00:13:20,949 --> 00:13:18,720

the things that we'll monitor

332

00:13:22,550 --> 00:13:20,959

and i know that the the spacex team the

333

00:13:23,990 --> 00:13:22,560

chief engineer there and of course the

334

00:13:26,310 --> 00:13:24,000

nasa team

335

00:13:28,310 --> 00:13:26,320

are all looking closely at all the the

336

00:13:29,990 --> 00:13:28,320

things that could possibly

337

00:13:31,670 --> 00:13:30,000

that they wish they had more information

338

00:13:33,430 --> 00:13:31,680

on or that that they

339

00:13:35,190 --> 00:13:33,440

feel the most uncertain about and and

340

00:13:36,870 --> 00:13:35,200

they share those with us on a routine

341

00:13:39,269 --> 00:13:36,880

basis we got an update on the flight

342

00:13:41,990 --> 00:13:39,279

readiness review activities and uh

343

00:13:44,069 --> 00:13:42,000

i know that the the chief engineer's job

344

00:13:46,150 --> 00:13:44,079

is to make that list of things that that

345

00:13:48,629 --> 00:13:46,160

are areas of concern and then

346

00:13:50,550 --> 00:13:48,639

kind of balance that that risk with what

347

00:13:52,389 --> 00:13:50,560

they currently know and with going

348

00:13:53,509 --> 00:13:52,399

forward and that information's all been

349

00:13:55,350 --> 00:13:53,519

shared with us and

350

00:13:56,710 --> 00:13:55,360

you know splashdown is closer than it

351
00:13:57,910 --> 00:13:56,720
was the last time we were asked

352
00:14:00,069 --> 00:13:57,920
questions about it

353
00:14:01,110 --> 00:14:00,079
but i still don't feel nervous about it

354
00:14:02,710 --> 00:14:01,120
and and really

355
00:14:05,189 --> 00:14:02,720
we're focused on the things that we'll

356
00:14:07,910 --> 00:14:05,199
need to do to be as safe as possible as

357
00:14:09,269 --> 00:14:07,920
as we come back and uh it does take a

358
00:14:09,590 --> 00:14:09,279
little bit of time so i'll answer for

359
00:14:11,670 --> 00:14:09,600
doug

360
00:14:13,509 --> 00:14:11,680
and say that we'll both have uh the

361
00:14:16,550 --> 00:14:13,519
appropriate hardware ready should

362
00:14:17,829 --> 00:14:16,560
we start feeling a little bit uh sick on

363
00:14:20,550 --> 00:14:17,839

board while we're

364

00:14:22,470 --> 00:14:20,560

in the vehicle uh after splashdown but

365

00:14:24,150 --> 00:14:22,480

we know the team is uh going to get us

366

00:14:26,069 --> 00:14:24,160

pulled up and on board the ship

367

00:14:28,470 --> 00:14:26,079

relatively quickly and so

368

00:14:29,189 --> 00:14:28,480

uh we're expecting to be as prepared

369

00:14:31,350 --> 00:14:29,199

as we can be

370

00:14:33,030 --> 00:14:31,360

and have a really good feeling of about

371

00:14:36,389 --> 00:14:33,040

about being kind of under control as we

372

00:14:43,509 --> 00:14:38,949

all right next up we have andrea

373

00:14:46,870 --> 00:14:45,430

hi guys i'm looking forward to having

374

00:14:49,430 --> 00:14:46,880

you back in houston

375

00:14:49,910 --> 00:14:49,440

um my question is also about splashdown

376

00:14:52,310 --> 00:14:49,920

um

377

00:14:54,069 --> 00:14:52,320

you know the vehicle pretty much lands

378

00:14:55,269 --> 00:14:54,079

itself so i'm curious what you guys

379

00:14:57,509 --> 00:14:55,279

think you'll be doing what you think

380

00:14:59,030 --> 00:14:57,519

that experience will be like you know

381

00:15:00,710 --> 00:14:59,040

if you'll be monitoring anything or

382

00:15:01,430 --> 00:15:00,720

looking out the windows or just holding

383

00:15:09,590 --> 00:15:01,440

on

384

00:15:12,870 --> 00:15:09,600

the

385

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

and

386

00:15:16,710 --> 00:15:14,639

phase our way back towards the uh

387

00:15:19,350 --> 00:15:16,720

deorbit burned in the re-entry

388

00:15:20,230 --> 00:15:19,360

um we'll spend a good share of that

389

00:15:23,430 --> 00:15:20,240

sleeping

390

00:15:26,230 --> 00:15:23,440

and then monitoring the systems

391

00:15:26,949 --> 00:15:26,240

prior to and after we wake up then once

392

00:15:30,790 --> 00:15:26,959

we wake up

393

00:15:33,670 --> 00:15:30,800

we will uh eat fluid load

394

00:15:34,870 --> 00:15:33,680

go through suit up and then work our way

395

00:15:37,189 --> 00:15:34,880

into the uh

396

00:15:40,629 --> 00:15:37,199

entry portion of the flight and then the

397

00:15:43,749 --> 00:15:40,639

dear burn or dear but burn that entry so

398

00:15:45,350 --> 00:15:43,759

we'll be fairly busy when we're awake uh

399

00:15:47,269 --> 00:15:45,360

throughout the whole process and and

400

00:15:48,949 --> 00:15:47,279

then those last uh

401
00:15:51,590 --> 00:15:48,959
probably two and a half to three hours

402
00:15:53,110 --> 00:15:51,600
will be very busy as we get suited up

403
00:15:55,189 --> 00:15:53,120
strapped into our seats and then we'll

404
00:15:56,389 --> 00:15:55,199
be monitoring all the different systems

405
00:15:57,749 --> 00:15:56,399
of the vehicle

406
00:15:59,350 --> 00:15:57,759
ensuring that it's doing what it's

407
00:16:00,310 --> 00:15:59,360
supposed to be doing as we work our way

408
00:16:04,069 --> 00:16:00,320
back towards

409
00:16:05,670 --> 00:16:04,079
florida and then it it carries on

410
00:16:07,430 --> 00:16:05,680
all the way down through splashdown

411
00:16:07,990 --> 00:16:07,440
they're very key milestones that we have

412
00:16:10,230 --> 00:16:08,000
to go through

413
00:16:12,550 --> 00:16:10,240

that have to happen in sequence and in

414

00:16:14,310 --> 00:16:12,560

order and on time in order

415

00:16:16,949 --> 00:16:14,320

for everything to go the way it's

416

00:16:20,310 --> 00:16:16,959

supposed to and if if not we

417

00:16:22,230 --> 00:16:20,320

we along with the mission control out in

418

00:16:23,910 --> 00:16:22,240

hawthorne california the spacex mission

419

00:16:25,829 --> 00:16:23,920

control will be there to assist

420

00:16:27,110 --> 00:16:25,839

or to intervene if they need to do as

421

00:16:28,790 --> 00:16:27,120

well so there's

422

00:16:30,389 --> 00:16:28,800

it will be very busy there won't be a

423

00:16:33,829 --> 00:16:30,399

lot of looking out the window

424

00:16:35,670 --> 00:16:33,839

certainly at that point where we sit

425

00:16:37,829 --> 00:16:35,680

in the vehicle we can see through those

426
00:16:39,749 --> 00:16:37,839
forward windows somewhat but

427
00:16:44,389 --> 00:16:39,759
mostly we'll be focused on the displays

428
00:16:51,189 --> 00:16:47,430
we'll go to gio benitez

429
00:16:53,189 --> 00:16:51,199
from abc news

430
00:16:55,189 --> 00:16:53,199
bob doug chris great to speak with you

431
00:16:57,590 --> 00:16:55,199
again and see that you're doing well

432
00:16:59,590 --> 00:16:57,600
i have two quick questions the first

433
00:17:01,990 --> 00:16:59,600
we're all looking at that forecast are

434
00:17:04,390 --> 00:17:02,000
you at all concerned that this storm

435
00:17:05,189 --> 00:17:04,400
may be too close for comfort and and the

436
00:17:07,029 --> 00:17:05,199
second one

437
00:17:08,789 --> 00:17:07,039
bob we hear your wife megan she's going

438
00:17:10,949 --> 00:17:08,799

to be going up this spring this is going

439

00:17:17,669 --> 00:17:10,959

to be her first dragon flight

440

00:17:21,110 --> 00:17:20,390

well i think from a weather perspective

441

00:17:23,270 --> 00:17:21,120

just like

442

00:17:25,110 --> 00:17:23,280

everybody else on the nasa and spacex

443

00:17:26,630 --> 00:17:25,120

team we look forward to the

444

00:17:28,390 --> 00:17:26,640

the weather forecasts that are coming

445

00:17:29,669 --> 00:17:28,400

out daily at this point and they'll even

446

00:17:32,070 --> 00:17:29,679

get more frequent

447

00:17:34,150 --> 00:17:32,080

as we get closer to the actual

448

00:17:36,310 --> 00:17:34,160

splashdown i think on launch

449

00:17:38,390 --> 00:17:36,320

the departure day we'll start to get you

450

00:17:40,070 --> 00:17:38,400

know every six hours we'll get another

451
00:17:42,070 --> 00:17:40,080
forecast sort of an update

452
00:17:43,110 --> 00:17:42,080
so we're watching those closely mostly

453
00:17:45,190 --> 00:17:43,120
to maintain

454
00:17:47,270 --> 00:17:45,200
awareness and see the trends and

455
00:17:49,350 --> 00:17:47,280
understand what the timeline would be

456
00:17:51,350 --> 00:17:49,360
if our recovery out of the water for

457
00:17:53,270 --> 00:17:51,360
example was delayed a little bit

458
00:17:55,190 --> 00:17:53,280
but we have confidence that the teams on

459
00:17:58,070 --> 00:17:55,200
the ground are of course watching that

460
00:17:59,669 --> 00:17:58,080
much more closely than we are and we

461
00:18:01,590 --> 00:17:59,679
won't leave the space station without

462
00:18:02,310 --> 00:18:01,600
some good landing opportunities in front

463
00:18:06,150 --> 00:18:02,320

of us

464

00:18:07,510 --> 00:18:06,160

and so

465

00:18:09,590 --> 00:18:07,520

they're keeping us informed but the

466

00:18:09,990 --> 00:18:09,600

lion's share that work happens on their

467

00:18:11,909 --> 00:18:10,000

end

468

00:18:13,590 --> 00:18:11,919

we don't control the weather and we know

469

00:18:13,990 --> 00:18:13,600

we can stay up here longer there's more

470

00:18:15,750 --> 00:18:14,000

chow

471

00:18:17,430 --> 00:18:15,760

and uh i know the space station

472

00:18:18,310 --> 00:18:17,440

program's got more work that we can do

473

00:18:21,190 --> 00:18:18,320

for those uh

474

00:18:22,630 --> 00:18:21,200

uh the pis and other folks that have

475

00:18:23,590 --> 00:18:22,640

sent science up here to the space

476

00:18:26,150 --> 00:18:23,600

station

477

00:18:27,029 --> 00:18:26,160

as far as my wife goes uh she's super

478

00:18:30,710 --> 00:18:27,039

excited

479

00:18:32,630 --> 00:18:30,720

and to be assigned to a spacex mission

480

00:18:34,630 --> 00:18:32,640

right on the spacex capsule up here to

481

00:18:36,230 --> 00:18:34,640

the international space station

482

00:18:38,630 --> 00:18:36,240

and of course i'll have a lot of tips

483

00:18:40,950 --> 00:18:38,640

for her a lot of them will be about

484

00:18:43,190 --> 00:18:40,960

how life on space station goes i think

485

00:18:45,110 --> 00:18:43,200

that's been the thing that's been more

486

00:18:46,470 --> 00:18:45,120

unique rather than the the capsule

487

00:18:47,430 --> 00:18:46,480

itself i think that's probably where

488

00:18:50,070 --> 00:18:47,440

i'll have the most

489

00:18:51,350 --> 00:18:50,080

to share with her but uh i'll definitely

490

00:18:53,909 --> 00:18:51,360

have some advice about

491

00:18:55,350 --> 00:18:53,919

living inside of dragon and where best

492

00:18:57,270 --> 00:18:55,360

to pack

493

00:18:59,590 --> 00:18:57,280

all your personal items so that you can

494

00:19:01,510 --> 00:18:59,600

get to them conveniently

495

00:19:03,029 --> 00:19:01,520

because if you just like any trip that

496

00:19:05,430 --> 00:19:03,039

you make if you if you pack things

497

00:19:05,990 --> 00:19:05,440

appropriately it can be a very fun trip

498

00:19:08,710 --> 00:19:06,000

if you

499

00:19:10,310 --> 00:19:08,720

pack everything at the the bottom of the

500

00:19:10,950 --> 00:19:10,320

big van that you take when you go on

501
00:19:13,029 --> 00:19:10,960
vacation

502
00:19:15,350 --> 00:19:13,039
you got to get it all out one item at a

503
00:19:17,430 --> 00:19:15,360
time at various times it can be uh

504
00:19:18,630 --> 00:19:17,440
it can be tiring and can and eat into

505
00:19:20,390 --> 00:19:18,640
your enjoyment on the trip

506
00:19:22,950 --> 00:19:20,400
and so i'll definitely have some tips

507
00:19:24,470 --> 00:19:22,960
for but it'll be hard to

508
00:19:25,990 --> 00:19:24,480
tamping out all the excitement that she

509
00:19:29,669 --> 00:19:26,000
has with any

510
00:19:36,710 --> 00:19:33,510
all right now we have joey roulette

511
00:19:41,270 --> 00:19:39,190
for doing this um what what about the

512
00:19:42,789 --> 00:19:41,280
process of returning you you and

513
00:19:45,270 --> 00:19:42,799

the spacex team wish you had more

514

00:19:46,870 --> 00:19:45,280

information on and um earlier it was

515

00:19:49,350 --> 00:19:46,880

said that you'll have the appropriate

516

00:19:50,950 --> 00:19:49,360

hardware ready in case you guys get sick

517

00:19:51,510 --> 00:19:50,960

is that something as simple as a paper

518

00:19:53,990 --> 00:19:51,520

bag or

519

00:19:55,430 --> 00:19:54,000

does crew dragon have like or for the

520

00:19:56,710 --> 00:19:55,440

flight suits do they have some kind of

521

00:20:04,470 --> 00:19:56,720

actual hardware for

522

00:20:08,390 --> 00:20:06,549

uh i didn't get your first question but

523

00:20:09,190 --> 00:20:08,400

i i certainly can answer your second one

524

00:20:12,070 --> 00:20:09,200

um

525

00:20:13,590 --> 00:20:12,080

yeah the the appropriate hardware uh

526

00:20:16,870 --> 00:20:13,600

just like on an airliner

527

00:20:18,310 --> 00:20:16,880

uh there are bags if you need them

528

00:20:19,990 --> 00:20:18,320

and we'll have those handy we'll

529

00:20:23,510 --> 00:20:20,000

probably have some towels handy as

530

00:20:23,990 --> 00:20:23,520

well and you know if that needs to

531

00:20:25,350 --> 00:20:24,000

happen

532

00:20:26,870 --> 00:20:25,360

it certainly wouldn't be the first time

533

00:20:28,230 --> 00:20:26,880

that that's happened in a space vehicle

534

00:20:29,830 --> 00:20:28,240

it will be the first time in this

535

00:20:33,350 --> 00:20:29,840

particular vehicle if we do

536

00:20:33,990 --> 00:20:33,360

but uh not not not the first time by any

537

00:20:36,070 --> 00:20:34,000

stretch

538

00:20:38,070 --> 00:20:36,080

as folks at flying space know that

539

00:20:41,270 --> 00:20:38,080

sometimes going uphill can be

540

00:20:43,590 --> 00:20:41,280

a little bit uh have an effect on your

541

00:20:44,870 --> 00:20:43,600

system and sometimes coming downhill is

542

00:20:46,149 --> 00:20:44,880

the same way so

543

00:20:47,990 --> 00:20:46,159

we'll just have to see how it goes and

544

00:20:50,950 --> 00:20:48,000

we'll certainly let you know

545

00:20:52,390 --> 00:20:50,960

what was your first question again the

546

00:20:53,990 --> 00:20:52,400

first question was what about the

547

00:20:55,830 --> 00:20:54,000

process of returning do you

548

00:21:01,350 --> 00:20:55,840

and the spacex team wish you had more

549

00:21:04,549 --> 00:21:03,990

yeah i think uh you know the biggest

550

00:21:06,549 --> 00:21:04,559

challenge

551
00:21:08,470 --> 00:21:06,559
and it was that way with shuttle is just

552
00:21:11,110 --> 00:21:08,480
the weather that we need in order to

553
00:21:11,750 --> 00:21:11,120
uh return home you know shuttle had some

554
00:21:13,990 --> 00:21:11,760
fairly

555
00:21:15,029 --> 00:21:14,000
uh significant uh weather criteria

556
00:21:17,830 --> 00:21:15,039
relative to

557
00:21:19,430 --> 00:21:17,840
dragon or capsule vehicle but it was but

558
00:21:20,549 --> 00:21:19,440
but we still have weather to deal with

559
00:21:22,789 --> 00:21:20,559
and of course

560
00:21:24,549 --> 00:21:22,799
anybody who's lived on the gulf coast or

561
00:21:26,310 --> 00:21:24,559
anywhere

562
00:21:27,909 --> 00:21:26,320
in in the south along the coast in the

563
00:21:29,990 --> 00:21:27,919

united states knows that

564

00:21:31,430 --> 00:21:30,000

august and september tough months to

565

00:21:34,310 --> 00:21:31,440

deal with with the hurricanes

566

00:21:36,549 --> 00:21:34,320

that always tend to crop up and 2020

567

00:21:38,710 --> 00:21:36,559

seems to be a pretty active year by all

568

00:21:40,710 --> 00:21:38,720

by all accounts so i think the biggest

569

00:21:42,870 --> 00:21:40,720

thing we'd all like to know is just

570

00:21:44,470 --> 00:21:42,880

the weather but you know as with any

571

00:21:46,390 --> 00:21:44,480

tropical system there

572

00:21:48,710 --> 00:21:46,400

even with today's technology somewhat

573

00:21:51,990 --> 00:21:48,720

unpredictable they wobble they move

574

00:21:53,750 --> 00:21:52,000

the center moves you know and you have

575

00:21:56,630 --> 00:21:53,760

fronts that affect them and where they

576
00:21:59,270 --> 00:21:56,640
go and that obviously has an effect on

577
00:22:00,630 --> 00:21:59,280
our landing areas so if anything just

578
00:22:01,909 --> 00:22:00,640
we'd like to be able to predict the

579
00:22:02,789 --> 00:22:01,919
weather a little bit better than we can

580
00:22:05,350 --> 00:22:02,799
but we have

581
00:22:07,350 --> 00:22:05,360
some of the best people in the business

582
00:22:09,750 --> 00:22:07,360
working on this for us and

583
00:22:11,669 --> 00:22:09,760
if the weather is not good we we won't

584
00:22:14,710 --> 00:22:11,679
try to leave tomorrow we'll leave on a

585
00:22:19,669 --> 00:22:17,430
let's go to marcia dunn from the

586
00:22:21,909 --> 00:22:19,679
associated press

587
00:22:23,590 --> 00:22:21,919
yes hi um for bob i'm wondering if you

588
00:22:24,549 --> 00:22:23,600

had a hunch before your flight that

589

00:22:27,270 --> 00:22:24,559

megan would be

590

00:22:28,950 --> 00:22:27,280

writing your same dragon to orbit so

591

00:22:32,070 --> 00:22:28,960

soon after your flight

592

00:22:34,230 --> 00:22:32,080

and and secondly um have you or doug

593

00:22:36,390 --> 00:22:34,240

been in touch directly with elon musk

594

00:22:37,029 --> 00:22:36,400

during the flight and if so what's he

595

00:22:39,990 --> 00:22:37,039

telling you

596

00:22:47,110 --> 00:22:40,000

what's he asking is he being reassuring

597

00:22:51,350 --> 00:22:49,909

of course i think marcia we all have

598

00:22:53,830 --> 00:22:51,360

inklings or hints that

599

00:22:54,390 --> 00:22:53,840

things might be in work as we go forward

600

00:22:57,590 --> 00:22:54,400

but uh

601
00:22:59,270 --> 00:22:57,600
as anyone who's will tell you who's been

602
00:23:01,430 --> 00:22:59,280
a part of the flight assignment process

603
00:23:02,710 --> 00:23:01,440
before i know chris and i have both

604
00:23:04,950 --> 00:23:02,720
assigned people to that

605
00:23:07,350 --> 00:23:04,960
uh that role and you know really the

606
00:23:09,350 --> 00:23:07,360
decisions are kind of made and final

607
00:23:10,789 --> 00:23:09,360
really towards the very end of it and so

608
00:23:12,149 --> 00:23:10,799
while there are hints of what might

609
00:23:13,830 --> 00:23:12,159
happen in the future

610
00:23:15,350 --> 00:23:13,840
you know we don't uh we don't count our

611
00:23:17,190 --> 00:23:15,360
chickens until they're hashed so to

612
00:23:18,789 --> 00:23:17,200
speak with respect to uh

613
00:23:20,470 --> 00:23:18,799

flight assignments so while i had a hint

614

00:23:22,470 --> 00:23:20,480

uh you know we always wait for the

615

00:23:24,149 --> 00:23:22,480

the final data before we go forward with

616

00:23:26,630 --> 00:23:24,159

it as far as

617

00:23:28,149 --> 00:23:26,640

elon goes we did spend some time with

618

00:23:30,070 --> 00:23:28,159

him uh pre-launch

619

00:23:32,149 --> 00:23:30,080

and of course with the demo one mission

620

00:23:32,950 --> 00:23:32,159

we were able to spend some time with him

621

00:23:34,950 --> 00:23:32,960

as well

622

00:23:37,110 --> 00:23:34,960

uh once we've gotten on orbit we have

623

00:23:38,470 --> 00:23:37,120

heard from the the management team uh at

624

00:23:41,269 --> 00:23:38,480

spacex i i know

625

00:23:42,230 --> 00:23:41,279

we've gwen reached out to us and uh hans

626

00:23:44,870 --> 00:23:42,240

reached out to us

627

00:23:46,710 --> 00:23:44,880

and of course uh lee rosen uh and then

628

00:23:47,990 --> 00:23:46,720

their ops team lead chris young

629

00:23:50,789 --> 00:23:48,000

so we've we've definitely been in

630

00:23:53,830 --> 00:23:50,799

contact with the entire spectrum of

631

00:23:55,430 --> 00:23:53,840

folks on the spacex side and

632

00:23:57,029 --> 00:23:55,440

they've all been you know it's not

633

00:23:58,470 --> 00:23:57,039

reassuring is the wrong word

634

00:24:01,029 --> 00:23:58,480

but you know they certainly have

635

00:24:02,310 --> 00:24:01,039

confidence in the equipment and the plan

636

00:24:03,909 --> 00:24:02,320

that we have in front of us

637

00:24:05,510 --> 00:24:03,919

and they continue to tweak and make

638

00:24:07,110 --> 00:24:05,520

updates to make it as best as it

639

00:24:09,110 --> 00:24:07,120

possibly can

640

00:24:10,470 --> 00:24:09,120

be for the splashdown that uh we're

641

00:24:12,549 --> 00:24:10,480

going to go through here in

642

00:24:14,070 --> 00:24:12,559

just a couple of days and so i think

643

00:24:16,149 --> 00:24:14,080

that's probably the thing that

644

00:24:18,549 --> 00:24:16,159

really is most impressive about that

645

00:24:20,310 --> 00:24:18,559

team is that willingness to continue

646

00:24:21,750 --> 00:24:20,320

to improve to continue to make

647

00:24:22,710 --> 00:24:21,760

corrections there are things that have

648

00:24:25,510 --> 00:24:22,720

changed

649

00:24:26,789 --> 00:24:25,520

uh minor things but things that they've

650

00:24:30,070 --> 00:24:26,799

thought a lot more about

651
00:24:32,149 --> 00:24:30,080
and tested on the ground prior to

652
00:24:33,909 --> 00:24:32,159
our splashdown but since we've launched

653
00:24:34,950 --> 00:24:33,919
and we've gotten some updates on those

654
00:24:36,310 --> 00:24:34,960
things and it's a

655
00:24:37,990 --> 00:24:36,320
it's the mark of a good team that

656
00:24:40,549 --> 00:24:38,000
continues to strive to

657
00:24:46,789 --> 00:24:40,559
make the product make the event as

658
00:24:50,070 --> 00:24:46,799
successful as it can possibly be

659
00:24:53,110 --> 00:24:50,080
now we have robert perlman from collect

660
00:24:57,190 --> 00:24:55,750
hi guys um the first spaceship named

661
00:24:59,909 --> 00:24:57,200
endeavour splashed down

662
00:25:01,269 --> 00:24:59,919
on the apollo 15 mission on august 7

663
00:25:03,510 --> 00:25:01,279

1971

664

00:25:05,110 --> 00:25:03,520

just a few days and 49 years after your

665

00:25:06,310 --> 00:25:05,120

expected splashdown

666

00:25:08,630 --> 00:25:06,320

can you reflect a little bit on the

667

00:25:10,870 --> 00:25:08,640

legacy of spaceships named endeavor

668

00:25:12,149 --> 00:25:10,880

including your own and do you intend or

669

00:25:14,710 --> 00:25:12,159

hope for crew 2

670

00:25:16,470 --> 00:25:14,720

to continue to use the name or was that

671

00:25:22,310 --> 00:25:16,480

a call sign just for

672

00:25:27,990 --> 00:25:25,750

well the name endeavor of that we used

673

00:25:30,310 --> 00:25:28,000

was specifically just for this vehicle

674

00:25:33,110 --> 00:25:30,320

uh you know it was kind of a tradition

675

00:25:34,310 --> 00:25:33,120

where the the soyuz crews named their

676
00:25:37,029 --> 00:25:34,320
vehicles

677
00:25:38,149 --> 00:25:37,039
and apollo crews gemini crews mercury

678
00:25:40,390 --> 00:25:38,159
crews named their vehicles

679
00:25:42,549 --> 00:25:40,400
and a lot of folks thought that it would

680
00:25:45,029 --> 00:25:42,559
be a good tradition to continue

681
00:25:45,669 --> 00:25:45,039
um so that's that's what we did and it

682
00:25:47,430 --> 00:25:45,679
was

683
00:25:49,029 --> 00:25:47,440
probably a little more personal for bob

684
00:25:52,070 --> 00:25:49,039
and i since our first flights

685
00:25:55,269 --> 00:25:52,080
along with chris uh also

686
00:25:57,190 --> 00:25:55,279
uh was on endeavor shuttle endeavor and

687
00:25:58,789 --> 00:25:57,200
that's kind of where it started with us

688
00:26:00,710 --> 00:25:58,799

and we just thought that that was

689

00:26:02,310 --> 00:26:00,720

appropriate but it's it's neat that it

690

00:26:03,430 --> 00:26:02,320

has a legacy that goes all the way back

691

00:26:06,070 --> 00:26:03,440

to apollo

692

00:26:07,110 --> 00:26:06,080

and uh honestly i didn't i didn't

693

00:26:09,430 --> 00:26:07,120

realize the

694

00:26:11,190 --> 00:26:09,440

significance as far as how close it was

695

00:26:12,470 --> 00:26:11,200

to splashdown as as what

696

00:26:14,470 --> 00:26:12,480

hopefully we'll be doing here in a

697

00:26:16,710 --> 00:26:14,480

couple days so that's kind of

698

00:26:18,230 --> 00:26:16,720

also just kind of icing on the cake i

699

00:26:19,909 --> 00:26:18,240

think but

700

00:26:22,390 --> 00:26:19,919

we we really thought that that name was

701

00:26:24,310 --> 00:26:22,400

a was the name to use and it and it

702

00:26:25,750 --> 00:26:24,320

really means a lot personally to bob and

703

00:26:27,909 --> 00:26:25,760

i and you know

704

00:26:29,190 --> 00:26:27,919

as bob said before we really appreciate

705

00:26:31,590 --> 00:26:29,200

spacex

706

00:26:33,830 --> 00:26:31,600

affording us that opportunity to name

707

00:26:36,549 --> 00:26:33,840

our capsule endeavor

708

00:26:37,190 --> 00:26:36,559

and we have time for one maybe two more

709

00:26:39,830 --> 00:26:37,200

questions

710

00:26:42,950 --> 00:26:39,840

so let's go with lauren grush from the

711

00:26:45,990 --> 00:26:44,950

hi thank you so much for taking my

712

00:26:48,470 --> 00:26:46,000

question

713

00:26:50,310 --> 00:26:48,480

when scott kelly returned from his trip

714

00:26:50,950 --> 00:26:50,320

in space he said he was looking forward

715

00:26:52,789 --> 00:26:50,960

to

716

00:26:54,789 --> 00:26:52,799

throwing himself in his pool when he got

717

00:26:55,990 --> 00:26:54,799

home i know your mission has been much

718

00:26:58,230 --> 00:26:56,000

shorter than his but

719

00:26:59,830 --> 00:26:58,240

anything in particular y'all are looking

720

00:27:05,350 --> 00:26:59,840

forward to when you get on the ground

721

00:27:09,190 --> 00:27:07,909

thanks lauren i think for me and uh

722

00:27:10,789 --> 00:27:09,200

probably for doug as well

723

00:27:12,390 --> 00:27:10,799

i think we're really excited to see our

724

00:27:14,630 --> 00:27:12,400

families um

725

00:27:16,549 --> 00:27:14,640

you know my son is six years old and i

726

00:27:18,470 --> 00:27:16,559

can tell from the videos that i get and

727

00:27:21,029 --> 00:27:18,480

talking to him on the phone that uh

728

00:27:22,630 --> 00:27:21,039

he's changed a lot even in the just a

729

00:27:23,029 --> 00:27:22,640

couple of months that we've been up here

730

00:27:24,310 --> 00:27:23,039

and so

731

00:27:26,470 --> 00:27:24,320

that's the thing i'm most looking

732

00:27:30,710 --> 00:27:26,480

forward to is of of course uh

733

00:27:33,029 --> 00:27:30,720

seeing my family my wife and my son

734

00:27:35,269 --> 00:27:33,039

all right and this will be our last

735

00:27:38,070 --> 00:27:35,279

question we have

736

00:27:40,710 --> 00:27:38,080

mark caro from aviation and space

737

00:27:43,830 --> 00:27:40,720

technology

738

00:27:48,230 --> 00:27:43,840

thank you my questions for chris

739

00:27:50,310 --> 00:27:48,240

how would you assess the um

740

00:27:51,510 --> 00:27:50,320

what bob and doug brought to your

741

00:27:54,389 --> 00:27:51,520

mission in terms of

742

00:27:55,110 --> 00:27:54,399

contributions to science and technology

743

00:28:00,710 --> 00:27:55,120

development

744

00:28:03,750 --> 00:28:02,870

yeah hi mark uh it's a simple math

745

00:28:06,149 --> 00:28:03,760

equation

746

00:28:07,269 --> 00:28:06,159

there was one and then there were three

747

00:28:09,909 --> 00:28:07,279

uh so we we

748

00:28:11,029 --> 00:28:09,919

effectively tripled our ability to get

749

00:28:12,789 --> 00:28:11,039

work done

750

00:28:14,630 --> 00:28:12,799

and with all three of us having been

751
00:28:16,870 --> 00:28:14,640
here before it was

752
00:28:17,750 --> 00:28:16,880
in short order that we were running at

753
00:28:19,909 --> 00:28:17,760
full steam and

754
00:28:21,190 --> 00:28:19,919
and getting all the uh science

755
00:28:24,630 --> 00:28:21,200
objectives

756
00:28:27,909 --> 00:28:24,640
we could

757
00:28:29,909 --> 00:28:27,919
uh and with that it was lonely

758
00:28:30,549 --> 00:28:29,919
conversations i had with myself at

759
00:28:32,710 --> 00:28:30,559
dinner

760
00:28:33,990 --> 00:28:32,720
prior to their arrival and and with

761
00:28:37,350 --> 00:28:34,000
these last two months

762
00:28:39,990 --> 00:28:37,360
it's been fantastic to have uh buddies

763
00:28:41,350 --> 00:28:40,000

at the chow table to reflect on the day

764

00:28:43,830 --> 00:28:41,360

think about tomorrow

765

00:28:44,870 --> 00:28:43,840

and talk about uh world events and and

766

00:28:47,029 --> 00:28:44,880

uh

767

00:28:48,389 --> 00:28:47,039

that sort of thing so they'll i'll

768

00:28:51,350 --> 00:28:48,399

definitely miss uh

769

00:28:51,669 --> 00:28:51,360

miss them when they head back well thank

770

00:29:00,950 --> 00:28:51,679

you

771

00:29:02,710 --> 00:29:00,960

aboard crew dragon endeavor

772

00:29:05,190 --> 00:29:02,720

and chris we will see you back on earth

773

00:29:06,950 --> 00:29:05,200

in october we've enjoyed

774

00:29:08,710 --> 00:29:06,960

following your missions from the ground

775

00:29:15,029 --> 00:29:08,720

thanks to our participants today

776

00:29:20,310 --> 00:29:17,990

station this is houston acr that

777

00:29:23,029 --> 00:29:20,320

concludes our event as we count down to

778

00:29:23,590 --> 00:29:23,039

20 continuous years of humans living and

779

00:29:25,909 --> 00:29:23,600

working

780

00:29:28,630 --> 00:29:25,919

on the international space station thank

781

00:29:32,389 --> 00:29:30,549

thanks to everyone that participated

782

00:29:40,890 --> 00:29:32,399

station we're going to now go back and

783

00:29:52,830 --> 00:29:40,900

resume operational calm

784

00:29:52,840 --> 00:30:01,220

so