



NASA's SpaceX Crew-4 Mission Flight Day Highlights



SPACEX

1
00:00:25,349 --> 00:00:18,010

[Music]

2
00:00:29,189 --> 00:00:27,750

hello everybody welcome aboard crew

3
00:00:31,349 --> 00:00:29,199

dragon freedom

4
00:00:34,870 --> 00:00:31,359

we are crew four i'm uh michelle

5
00:00:40,150 --> 00:00:37,430

hi i'm samantha christopher hello hi i'm

6
00:00:42,630 --> 00:00:40,160

samantha christopher hello

7
00:00:45,190 --> 00:00:42,640

how's it going hi i'm bob heinz how's it

8
00:00:46,869 --> 00:00:45,200

going

9
00:00:48,790 --> 00:00:46,879

we are super excited to welcome you

10
00:00:50,470 --> 00:00:48,800

aboard we are super excited to welcome

11
00:00:51,350 --> 00:00:50,480

you aboard

12
00:00:53,189 --> 00:00:51,360

the

13
00:00:54,470 --> 00:00:53,199

freedom and

14

00:00:55,590 --> 00:00:54,480

we launched

15

00:00:57,350 --> 00:00:55,600

last night

16

00:00:59,189 --> 00:00:57,360

about

17

00:01:01,029 --> 00:00:59,199

14 hours ago

18

00:01:02,150 --> 00:01:01,039

um it was a

19

00:01:04,390 --> 00:01:02,160

we haven't seen the footage of the

20

00:01:05,990 --> 00:01:04,400

launch but it was an amazing ride up

21

00:01:07,270 --> 00:01:06,000

into low earth orbit and we're making

22

00:01:08,469 --> 00:01:07,280

our way to the international space

23

00:01:10,870 --> 00:01:08,479

station now

24

00:01:12,710 --> 00:01:10,880

we just wanted to show you around our

25

00:01:14,550 --> 00:01:12,720

home here for the

26

00:01:16,630 --> 00:01:14,560

the past 15 hours

27

00:01:17,990 --> 00:01:16,640

before we dock and so i'm going to hand

28

00:01:19,190 --> 00:01:18,000

it over to

29

00:01:21,270 --> 00:01:19,200

wadi first

30

00:01:22,630 --> 00:01:21,280

to share with you

31

00:01:27,429 --> 00:01:22,640

some of her favorite things about being

32

00:01:33,830 --> 00:01:31,030

hey everybody so as a first time flyer

33

00:01:35,270 --> 00:01:33,840

in space here with my my classmate and

34

00:01:37,590 --> 00:01:35,280

friend farmer

35

00:01:39,429 --> 00:01:37,600

our first and uh most favorite part

36

00:01:41,030 --> 00:01:39,439

about being on dragon so far is

37

00:01:43,190 --> 00:01:41,040

definitely the view

38

00:01:45,830 --> 00:01:43,200

so we can take you over here to the

39

00:01:49,990 --> 00:01:45,840

window that we get to sleep next to and

40

00:01:55,590 --> 00:01:52,789

and just show you what we get to see

41

00:01:57,510 --> 00:01:55,600

which is just this amazing earth it's

42

00:01:59,670 --> 00:01:57,520

been so cool to see the

43

00:02:02,630 --> 00:01:59,680

uh terminator come in and out the day

44

00:02:07,109 --> 00:02:02,640

and night cycles you get to see the

45

00:02:10,070 --> 00:02:07,119

clouds and all of the rock formations

46

00:02:11,830 --> 00:02:10,080

are particularly interesting to me as a

47

00:02:14,949 --> 00:02:11,840

geologist

48

00:02:29,990 --> 00:02:14,959

and we are just super excited to

49

00:02:33,750 --> 00:02:31,990

so one of the questions we often get

50

00:02:35,509 --> 00:02:33,760

asked about is the significance of our

51
00:02:37,430 --> 00:02:35,519
zero g indicator

52
00:02:40,470 --> 00:02:37,440
it may look like we have two but rest

53
00:02:43,190 --> 00:02:40,480
assured we have one

54
00:02:45,430 --> 00:02:43,200
samantha and i had the honor of allowing

55
00:02:48,630 --> 00:02:45,440
our kids to choose our zero g indicator

56
00:02:51,910 --> 00:02:48,640
and so we went to our daughters and

57
00:02:54,309 --> 00:02:51,920
my daughter chose uh zippy the turtle uh

58
00:02:56,550 --> 00:02:54,319
it's one of her favorite and oldest uh

59
00:02:58,869 --> 00:02:56,560
stuffed animals and so we brought we

60
00:03:01,110 --> 00:02:58,879
brought zippy along for uh for the ride

61
00:03:02,630 --> 00:03:01,120
he has been training with us for months

62
00:03:04,710 --> 00:03:02,640
we have a photo

63
00:03:09,270 --> 00:03:04,720

photo gallery of all the training events

64

00:03:13,350 --> 00:03:10,149

and

65

00:03:16,470 --> 00:03:13,360

this is etta etta is

66

00:03:18,790 --> 00:03:16,480

the way that my older daughter kelsey

67

00:03:20,790 --> 00:03:18,800

used to call her because uh she in

68

00:03:23,030 --> 00:03:20,800

italian she would be a small monkey

69

00:03:25,589 --> 00:03:23,040

shinier but when she was small she could

70

00:03:27,589 --> 00:03:25,599

only say etta and so that's how we call

71

00:03:29,509 --> 00:03:27,599

her and it's actually the first toy that

72

00:03:31,509 --> 00:03:29,519

i bought to her for her before she was

73

00:03:37,350 --> 00:03:31,519

even born so i was very excited that she

74

00:03:41,670 --> 00:03:39,830

it's been awesome and julia and um

75

00:03:43,910 --> 00:03:41,680

kelsey have become good friends gotten

76

00:03:45,270 --> 00:03:43,920

to play a lot over the last few months

77

00:03:47,750 --> 00:03:45,280

so it's been awesome

78

00:03:51,430 --> 00:03:47,760

uh there is added significance to these

79

00:03:53,990 --> 00:03:51,440

uh they were it was unsolicited uh but

80

00:03:57,110 --> 00:03:54,000

the uh the zero g indicator uh actually

81

00:03:59,270 --> 00:03:57,120

has uh additional meaning to our crew so

82

00:04:02,630 --> 00:03:59,280

as jessica mentioned uh she and i are in

83

00:04:04,309 --> 00:04:02,640

the 2017 astronaut class and our every

84

00:04:06,789 --> 00:04:04,319

class has a nickname and we were known

85

00:04:08,470 --> 00:04:06,799

as the turtles so obviously zippy is

86

00:04:10,630 --> 00:04:08,480

very near and dear to our heart as a

87

00:04:13,509 --> 00:04:10,640

turtle

88

00:04:15,110 --> 00:04:13,519

class from 2009 are known as the chumps

89

00:04:16,069 --> 00:04:15,120

or the chimps

90

00:04:21,349 --> 00:04:16,079

and

91

00:04:23,670 --> 00:04:21,359

samantha's class from the european space

92

00:04:27,510 --> 00:04:23,680

agency were known as shenanigans and as

93

00:04:33,430 --> 00:04:30,550

turtle and a monkey together that is a

94

00:04:35,189 --> 00:04:33,440

shenanigan so that is our single zero g

95

00:04:40,710 --> 00:04:35,199

indicator that we have for uh for our

96

00:04:46,230 --> 00:04:42,870

it's been uh it's been amazing being uh

97

00:04:47,990 --> 00:04:46,240

up here again in space and one of the

98

00:04:50,469 --> 00:04:48,000

most incredible things i've experienced

99

00:04:52,710 --> 00:04:50,479

so far it was uh last night uh we had a

100

00:04:54,070 --> 00:04:52,720

couple of burns during our sleep periods

101
00:04:56,550 --> 00:04:54,080
with you know all of a sudden you see

102
00:04:58,629 --> 00:04:56,560
yourself and your sleeping bag pushed in

103
00:05:00,950 --> 00:04:58,639
the vehicle because you have a burn the

104
00:05:03,270 --> 00:05:00,960
thrusters turn on so i i went up and

105
00:05:07,029 --> 00:05:03,280
peeked through the little uh window that

106
00:05:10,950 --> 00:05:07,039
we have here on the um on the hatch

107
00:05:13,909 --> 00:05:10,960
and i saw visually this thruster firings

108
00:05:16,870 --> 00:05:13,919
going on it was like a ghost flying

109
00:05:18,950 --> 00:05:16,880
behind us this very very light glimmer

110
00:05:21,430 --> 00:05:18,960
making incredible shapes and then it

111
00:05:23,590 --> 00:05:21,440
became more of an incandescent light and

112
00:05:25,270 --> 00:05:23,600
it was just just beautiful and then that

113
00:05:26,310 --> 00:05:25,280

that sound of the thruster is going on

114

00:05:35,110 --> 00:05:26,320

to

115

00:05:40,390 --> 00:05:38,070

so obviously for me as a rookie

116

00:05:41,830 --> 00:05:40,400

one of my favorite things is looking out

117

00:05:43,749 --> 00:05:41,840

the window and this view that we have

118

00:05:46,070 --> 00:05:43,759

out here right now is just spectacular

119

00:05:48,150 --> 00:05:46,080

we're coming across the terminator

120

00:05:49,590 --> 00:05:48,160

which is the division between day and

121

00:05:50,390 --> 00:05:49,600

night on the earth

122

00:05:55,990 --> 00:05:50,400

and

123

00:05:57,749 --> 00:05:56,000

accentuated

124

00:06:00,150 --> 00:05:57,759

as we come into darkness or come out

125

00:06:01,749 --> 00:06:00,160

from darkness is just absolutely amazing

126
00:06:16,309 --> 00:06:01,759
so that is certainly one of my favorite

127
00:06:22,760 --> 00:06:18,230
and for myself

128
00:06:26,710 --> 00:06:24,150
[Music]

129
00:06:28,950 --> 00:06:26,720
launching um just the the sensation of

130
00:06:31,830 --> 00:06:28,960
the rocket last night was absolutely

131
00:06:34,629 --> 00:06:31,840
amazing amazing incredibly smooth ride

132
00:06:35,670 --> 00:06:34,639
um and just incredibly fun to

133
00:06:37,270 --> 00:06:35,680
uh

134
00:06:39,749 --> 00:06:37,280
to

135
00:06:45,350 --> 00:06:39,759
feel that acceleration and then the

136
00:06:50,870 --> 00:06:48,790
and we also like uh

137
00:06:52,150 --> 00:06:50,880
some of the little treats that we get

138
00:06:53,430 --> 00:06:52,160

one of the benefits of being an

139

00:06:56,550 --> 00:06:53,440

astronaut is

140

00:06:58,230 --> 00:06:56,560

that you get to play with your food and

141

00:07:00,390 --> 00:06:58,240

um

142

00:07:03,189 --> 00:07:00,400

and so we're sharing

143

00:07:04,710 --> 00:07:03,199

up here today during um our

144

00:07:07,110 --> 00:07:04,720

sleep meal um

145

00:07:11,589 --> 00:07:07,120

farmer took out a bag of um

146

00:07:15,909 --> 00:07:13,670

and he offered them one to each one of

147

00:07:17,749 --> 00:07:15,919

us and what at first didn't want one

148

00:07:18,710 --> 00:07:17,759

because she was having like breakfast

149

00:07:20,790 --> 00:07:18,720

sausage

150

00:07:24,150 --> 00:07:20,800

but i'm like sorry but that's a rite of

151
00:07:26,710 --> 00:07:24,160
passage you have to grab a candy coated

152
00:07:28,469 --> 00:07:26,720
chocolate with your mouth from me there

153
00:07:30,629 --> 00:07:28,479
when you become an astronaut for real in

154
00:07:31,670 --> 00:07:30,639
honesty

155
00:07:34,469 --> 00:07:31,680
all right well

156
00:07:36,950 --> 00:07:34,479
thank you so much for joining us on uh

157
00:07:39,749 --> 00:07:36,960
the crew dragon freedom uh we enjoyed

158
00:07:41,510 --> 00:07:39,759
showing you around our uh our home for

159
00:07:43,270 --> 00:07:41,520
the next few hours and we're looking

160
00:07:47,510 --> 00:07:43,280
forward to talking with space station

161
00:07:49,110 --> 00:07:47,520
and sharing more of uh our work and

162
00:07:50,950 --> 00:07:49,120
the the amazing science and research

163
00:07:52,550 --> 00:07:50,960

that we have the opportunity to do with

164

00:07:55,029 --> 00:07:52,560

you over the coming months so thanks so

165

00:07:59,749 --> 00:07:55,039

much and uh crew dragon freedom signing

166

00:08:05,990 --> 00:08:02,070

and dragon still

167

00:08:10,230 --> 00:08:07,990

and should be hearing a call out dragon

168

00:08:12,230 --> 00:08:10,240

spacex on the big loop mid-course

169

00:08:28,230 --> 00:08:12,240

correction maneuver complete and nominal

170

00:08:33,110 --> 00:08:30,309

and for the crew they're they're largely

171

00:08:35,909 --> 00:08:33,120

just in a monitor mode um they have the

172

00:08:37,829 --> 00:08:35,919

capability to again send commands to

173

00:08:38,790 --> 00:08:37,839

dragon take manual control of the

174

00:08:41,269 --> 00:08:38,800

vehicle

175

00:08:42,870 --> 00:08:41,279

uh but on a nominal flight

176
00:08:45,430 --> 00:08:42,880
dragon's flight computers are doing all

177
00:08:47,670 --> 00:08:45,440
of the flying and it's got just a suite

178
00:08:49,269 --> 00:08:47,680
of different navigational tools at its

179
00:08:51,350 --> 00:08:49,279
disposal

180
00:08:53,030 --> 00:08:51,360
inertial measurement units you've got

181
00:08:55,190 --> 00:08:53,040
those dragon eyes

182
00:08:56,870 --> 00:08:55,200
literally bouncing lasers off of the

183
00:08:59,670 --> 00:08:56,880
space station

184
00:09:01,590 --> 00:08:59,680
since we ended the rendezvous mode we're

185
00:09:03,670 --> 00:09:01,600
navigating with what's called relative

186
00:09:04,630 --> 00:09:03,680
gps so a global positioning system

187
00:09:07,030 --> 00:09:04,640
you've got

188
00:09:09,750 --> 00:09:07,040

antennas on the space station receivers

189

00:09:12,470 --> 00:09:09,760

on dragon that are talking to each other

190

00:09:15,030 --> 00:09:12,480

and we've got that c2v2

191

00:09:17,590 --> 00:09:15,040

set up as well that kate was discussing

192

00:09:19,670 --> 00:09:17,600

and that's allowing us to send data

193

00:09:21,750 --> 00:09:19,680

video communications

194

00:09:23,829 --> 00:09:21,760

directly between the dragon the space

195

00:09:25,829 --> 00:09:23,839

station and the ground

196

00:09:29,030 --> 00:09:25,839

and you're gonna hear what's called the

197

00:09:31,350 --> 00:09:29,040

big loop uh discussed a lot uh up until

198

00:09:33,030 --> 00:09:31,360

this point the core here in hawthorne's

199

00:09:34,630 --> 00:09:33,040

been talking to the dragon crew on

200

00:09:36,949 --> 00:09:34,640

dragon to ground that's that direct

201

00:09:39,030 --> 00:09:36,959

communication line and the team in

202

00:09:41,110 --> 00:09:39,040

houston talks to the station on space to

203

00:09:43,350 --> 00:09:41,120

grounds we have several we have four of

204

00:09:45,829 --> 00:09:43,360

those that they can talk across when we

205

00:09:48,310 --> 00:09:45,839

get into these integrated operations we

206

00:09:50,310 --> 00:09:48,320

tie everybody together everybody hears

207

00:09:52,949 --> 00:09:50,320

everything everybody else is saying one

208

00:09:54,790 --> 00:09:52,959

big happy family we call it the big loop

209

00:09:56,070 --> 00:09:54,800

and so that's what we'll hear all of our

210

00:10:08,389 --> 00:09:56,080

comps on

211

00:10:11,750 --> 00:10:09,590

yeah

212

00:10:14,389 --> 00:10:11,760

there's the space station

213

00:10:16,389 --> 00:10:14,399

and we're we're coming up just directly

214

00:10:18,630 --> 00:10:16,399

underneath it so you're you're looking

215

00:10:20,389 --> 00:10:18,640

up at station essentially from dragon

216

00:10:23,750 --> 00:10:20,399

and that's just outer space directly

217

00:10:27,590 --> 00:10:25,590

and we can see those draco thrusters

218

00:10:30,790 --> 00:10:27,600

around the service section firing that's

219

00:10:34,550 --> 00:10:30,800

pretty spectacular i love that

220

00:10:36,949 --> 00:10:34,560

and so 8.0 has been passed dragons now

221

00:10:39,430 --> 00:10:36,959

inside 400 meters away from the space

222

00:10:41,829 --> 00:10:39,440

station and it's moving up to what's

223

00:10:43,509 --> 00:10:41,839

known as waypoint one and so we can see

224

00:10:45,750 --> 00:10:43,519

those thrusters firing dragon is

225

00:10:47,990 --> 00:10:45,760

essentially doing a flip over

226

00:10:51,110 --> 00:10:48,000

to the top side of the station so it's

227

00:11:15,430 --> 00:10:51,120

moving from 400 meters directly below to

228

00:11:20,069 --> 00:11:17,750

you can see lots of draco thruster

229

00:11:21,910 --> 00:11:20,079

firings there

230

00:11:22,870 --> 00:11:21,920

and these are primarily the service

231

00:11:25,190 --> 00:11:22,880

section

232

00:11:27,910 --> 00:11:25,200

uh draco thrusters that are firing

233

00:11:31,110 --> 00:11:27,920

essentially meaning they are located on

234

00:11:34,470 --> 00:11:31,120

the sides of dragon as opposed to the

235

00:11:37,110 --> 00:11:34,480

forward draco thrusters which are

236

00:11:38,710 --> 00:11:37,120

located at the top of dragon

237

00:11:51,829 --> 00:11:38,720

under the nose cone

238

00:11:51,839 --> 00:12:01,030

one meter in closing

239

00:12:05,829 --> 00:12:03,670

and we heard confirmation dragon spacex

240

00:12:14,870 --> 00:12:05,839

on the big loop contact and soft capture

241

00:12:21,670 --> 00:12:17,350

and confirmation soft capture and

242

00:12:25,430 --> 00:12:21,680

docking confirmed that time 4 37 p.m

243

00:12:29,269 --> 00:12:25,440

pacific 11 37 gmt with the international

244

00:12:32,069 --> 00:12:29,279

space station flying 261 statute miles

245

00:12:33,990 --> 00:12:32,079

over the central pacific ocean

246

00:12:37,030 --> 00:12:34,000

dragon spacex on the big loop soft

247

00:12:38,629 --> 00:12:37,040

capture ring retraction is in progress

248

00:12:41,190 --> 00:12:38,639

there's our first

249

00:12:42,949 --> 00:12:41,200

full view of dragon

250

00:12:46,150 --> 00:12:42,959

dragon freedom attached to the

251
00:12:49,590 --> 00:12:46,160
international space station

252
00:12:51,750 --> 00:12:49,600
up next we are going to

253
00:12:53,990 --> 00:12:51,760
begin the hard capture sequence that's

254
00:12:55,110 --> 00:12:54,000
essentially when we are engaging the

255
00:13:03,509 --> 00:12:55,120
hooks

256
00:13:07,750 --> 00:13:05,829
here back seeing live views inside crew

257
00:13:10,629 --> 00:13:07,760
dragon freedom

258
00:13:12,389 --> 00:13:10,639
you currently see a couple empty suits

259
00:13:15,030 --> 00:13:12,399
still in the chairs as the crew are

260
00:13:16,310 --> 00:13:15,040
continuing to do preparations to

261
00:13:18,389 --> 00:13:16,320
open the hatch

262
00:13:58,150 --> 00:13:18,399
and ingress the international space

263
00:14:04,230 --> 00:14:00,310

and dragon hatch is open and they are

264

00:14:06,550 --> 00:14:04,240

welcoming the crew 4 astronauts on board

265

00:14:07,910 --> 00:14:06,560

you see all smiles around as jessica

266

00:14:10,230 --> 00:14:07,920

watkins

267

00:14:12,150 --> 00:14:10,240

bob hines samantha christopher reddy

268

00:14:15,110 --> 00:14:12,160

have ingressed

269

00:14:16,629 --> 00:14:15,120

and are hugging all their current crew 3

270

00:14:18,550 --> 00:14:16,639

crew members

271

00:14:21,430 --> 00:14:18,560

and last one in we see

272

00:14:23,110 --> 00:14:21,440

commander of dragon chill lindgren now

273

00:15:00,629 --> 00:14:23,120

entering into

274

00:15:05,350 --> 00:15:02,389

you're currently looking at all eight

275

00:15:09,110 --> 00:15:05,360

crew members of crew three and four

276

00:15:14,230 --> 00:15:09,120

together inside the harmony module

277

00:15:18,310 --> 00:15:16,389

crew 3 and crew 4 will do what's called

278

00:15:20,710 --> 00:15:18,320

a direct handover

279

00:15:22,470 --> 00:15:20,720

for the next five days there'll be

280

00:15:25,590 --> 00:15:22,480

two dragons docked to the international

281

00:15:39,670 --> 00:15:28,310

crew three currently set to

282

00:15:43,509 --> 00:15:41,749

station houston on space to ground three

283

00:15:45,829 --> 00:15:43,519

no response required just letting you

284

00:15:47,269 --> 00:15:45,839

know pwd is going to be down 10 to 15

285

00:16:02,629 --> 00:15:47,279

minutes

286

00:16:13,990 --> 00:16:04,150

and tell i'll owe you a beverage when

287

00:16:24,550 --> 00:16:16,230

houston station imv duct installation is

288

00:16:24,560 --> 00:16:38,230

using copies

289

00:16:45,110 --> 00:16:40,389

station this is houston

290

00:16:54,150 --> 00:16:48,310

we are ready for the event

291

00:16:57,910 --> 00:16:56,310

well welcome on board the space station

292

00:17:00,310 --> 00:16:57,920

as you can see from all the smiles

293

00:17:03,030 --> 00:17:00,320

around we are very happy

294

00:17:05,429 --> 00:17:03,040

to have our new crewmates aboard with us

295

00:17:07,990 --> 00:17:05,439

congratulations really around the world

296

00:17:09,590 --> 00:17:08,000

but to uh spacex and nasa for pulling

297

00:17:11,750 --> 00:17:09,600

off what is still remains a very

298

00:17:13,750 --> 00:17:11,760

dangerous activity of launching human

299

00:17:15,029 --> 00:17:13,760

beings into space but pulled it off just

300

00:17:17,590 --> 00:17:15,039

brilliantly

301
00:17:20,069 --> 00:17:17,600
and uh really dynamic weeks here we've

302
00:17:21,990 --> 00:17:20,079
just said goodbye to our private

303
00:17:23,590 --> 00:17:22,000
astronaut mission crewmates there's a

304
00:17:25,829 --> 00:17:23,600
russian eva that's going to start here

305
00:17:27,270 --> 00:17:25,839
in just a few hours so we're really

306
00:17:28,789 --> 00:17:27,280
happy our russian crewmates could join

307
00:17:29,830 --> 00:17:28,799
us here for this event

308
00:17:33,190 --> 00:17:29,840
and

309
00:17:34,390 --> 00:17:33,200
started we couldn't be more excited to

310
00:17:39,750 --> 00:17:34,400
be all together here on the space

311
00:17:44,630 --> 00:17:41,990
thank you tom and uh

312
00:17:46,390 --> 00:17:44,640
freedom freedom crew i wonder if

313
00:17:50,630 --> 00:17:46,400

you would be keen to share some of your

314

00:17:55,190 --> 00:17:52,470

well we had an absolutely magnificent

315

00:17:56,630 --> 00:17:55,200

ride into low earth orbit on an f9

316

00:17:58,310 --> 00:17:56,640

booster

317

00:18:02,710 --> 00:17:58,320

in the freedom capsule

318

00:18:12,310 --> 00:18:02,720

it was a really smooth ride and um

319

00:18:22,310 --> 00:18:14,150

bob i saw you smile about g's you know

320

00:18:25,750 --> 00:18:24,310

yeah it was uh pretty amazing especially

321

00:18:27,990 --> 00:18:25,760

uh you know one of the things we used to

322

00:18:29,909 --> 00:18:28,000

say in fighters is uh that you know down

323

00:18:32,310 --> 00:18:29,919

low the faster you go faster the faster

324

00:18:34,390 --> 00:18:32,320

you get faster uh this is uh just the

325

00:18:36,870 --> 00:18:34,400

opposite the higher we got the faster we

326

00:18:38,710 --> 00:18:36,880

went the faster we got faster and uh it

327

00:18:41,029 --> 00:18:38,720

was just incredible that uh that ride

328

00:18:41,990 --> 00:18:41,039

especially on the second stage uh it was

329

00:18:47,430 --> 00:18:42,000

just

330

00:18:50,390 --> 00:18:48,150

and

331

00:18:51,990 --> 00:18:50,400

there's another rookie on board oh

332

00:18:59,669 --> 00:18:52,000

samantha

333

00:19:02,230 --> 00:19:01,110

just wanted to add

334

00:19:04,150 --> 00:19:02,240

how

335

00:19:06,870 --> 00:19:04,160

you know amazing the ride has been and

336

00:19:10,230 --> 00:19:06,880

also how incredible it's been to

337

00:19:12,710 --> 00:19:10,240

get back to space station it it feels so

338

00:19:15,830 --> 00:19:12,720

incredibly familiar and it's been so

339

00:19:18,230 --> 00:19:15,840

heartwarming to be welcomed

340

00:19:20,230 --> 00:19:18,240

by crew 3 or by our

341

00:19:22,630 --> 00:19:20,240

soyuz crewmates

342

00:19:24,549 --> 00:19:22,640

and especially crew 3

343

00:19:26,630 --> 00:19:24,559

our colleagues have been

344

00:19:29,830 --> 00:19:26,640

up with us these last few hours uh

345

00:19:32,070 --> 00:19:29,840

getting a lot of work done with us as we

346

00:19:34,150 --> 00:19:32,080

are getting our space legs so uh

347

00:19:39,190 --> 00:19:34,160

heartfelt thank you for this uh

348

00:19:48,070 --> 00:19:42,070

jessica obviously always keen to hear

349

00:19:52,310 --> 00:19:50,789

yeah absolutely i think for for me the

350

00:19:55,029 --> 00:19:52,320

the part that was the most awesome of

351

00:19:57,270 --> 00:19:55,039

the whole ride was definitely the view

352

00:20:00,070 --> 00:19:57,280

right as we were we were coming in for

353

00:20:02,230 --> 00:20:00,080

docking we uh started to get suits on

354

00:20:04,630 --> 00:20:02,240

and we're starting to prepare and we

355

00:20:07,110 --> 00:20:04,640

just just took h had just enough time to

356

00:20:09,909 --> 00:20:07,120

take a last minute look out the window

357

00:20:11,990 --> 00:20:09,919

and we could see the space station kind

358

00:20:14,630 --> 00:20:12,000

of off in the distance but

359

00:20:17,590 --> 00:20:14,640

super bright with the solar arrays

360

00:20:19,590 --> 00:20:17,600

shining again shining towards us

361

00:20:21,750 --> 00:20:19,600

and the earth below is just absolutely

362

00:20:23,909 --> 00:20:21,760

gorgeous so we're super excited to be

363

00:20:31,990 --> 00:20:23,919

here and to see more of those amazing

364

00:20:32,000 --> 00:20:38,470

any words on the uh

365

00:20:42,470 --> 00:20:39,909

i'm sorry hey we just wanted to take a

366

00:20:45,270 --> 00:20:42,480

quick opportunity here um

367

00:20:47,750 --> 00:20:45,280

every time we get to have uh new

368

00:20:49,430 --> 00:20:47,760

colleagues fly into low earth orbit we

369

00:20:51,590 --> 00:20:49,440

have a little tradition of awarding them

370

00:20:53,270 --> 00:20:51,600

their gold astronaut pins

371

00:20:55,830 --> 00:20:53,280

so we want to take that to take a moment

372

00:21:39,110 --> 00:20:55,840

here to award the gold astronaut pins to

373

00:21:45,830 --> 00:21:41,029

congratulations from all the center

374

00:21:50,310 --> 00:21:47,190

thanks very much it's always an

375

00:21:53,190 --> 00:21:50,320

important moment to us and uh

376
00:21:55,270 --> 00:21:53,200
i've got weeks of work ahead of us and

377
00:21:58,549 --> 00:21:55,280
uh we'll we'll be handing over

378
00:22:00,950 --> 00:21:58,559
operations to a very capable crew 4

379
00:22:03,110 --> 00:22:00,960
and under the leadership of

380
00:22:05,029 --> 00:22:03,120
oleg here eventually and so we're just

381
00:22:06,950 --> 00:22:05,039
really looking forward to the work we're

382
00:22:08,789 --> 00:22:06,960
going to be doing together

383
00:22:09,669 --> 00:22:08,799
here over the next week i think we're

384
00:22:11,430 --> 00:22:09,679
going to be hitting the ground with a

385
00:22:12,470 --> 00:22:11,440
lot of science going on right away as

386
00:22:20,630 --> 00:22:12,480
well so

387
00:22:24,390 --> 00:22:22,149
well very good thank you all for your

388
00:22:26,390 --> 00:22:24,400

time i know you're very busy up there i

389

00:22:33,669 --> 00:22:26,400

know if there's any uh closing or

390

00:22:40,310 --> 00:22:36,549

yes uh just uh i think on behalf of all

391

00:22:42,470 --> 00:22:40,320

of us a big thank you to our families

392

00:22:43,909 --> 00:22:42,480

they were

393

00:22:47,110 --> 00:22:43,919

you know they've been incredibly

394

00:22:49,909 --> 00:22:47,120

supporting uh towards us over the years

395

00:22:51,590 --> 00:22:49,919

and the months of training and also

396

00:22:53,190 --> 00:22:51,600

these last weeks

397

00:22:56,149 --> 00:22:53,200

leading up to launch

398

00:22:58,710 --> 00:22:56,159

um also you know with some um

399

00:23:01,110 --> 00:22:58,720

unpredictability uh on our launch date

400

00:23:02,789 --> 00:23:01,120

uh that made it even more challenging

401
00:23:04,149 --> 00:23:02,799
and we you know we always could enjoy

402
00:23:06,230 --> 00:23:04,159
the support

403
00:23:10,070 --> 00:23:06,240
and of course a big

404
00:23:12,789 --> 00:23:10,080
thank you to the the nasa family spacex

405
00:23:13,750 --> 00:23:12,799
and also from my side a particular thank

406
00:23:14,549 --> 00:23:13,760
you to

407
00:23:15,590 --> 00:23:14,559
my

408
00:23:18,149 --> 00:23:15,600
colleagues

409
00:23:20,710 --> 00:23:18,159
at the european agency who make it

410
00:23:22,789 --> 00:23:20,720
possible for us isa astronauts to fly

411
00:23:23,990 --> 00:23:22,799
and i'm incredibly happy to be here and

412
00:23:25,750 --> 00:23:24,000
sharing this

413
00:23:28,630 --> 00:23:25,760

experience with

414

00:23:37,830 --> 00:23:28,640

my colleague my isa colleague matthias

415

00:23:43,190 --> 00:23:40,950

well thank you that concludes the event

416

00:23:45,350 --> 00:23:43,200

station will now be resuming operational

417

00:23:52,670 --> 00:23:45,360

audio communication