



1
00:00:13,669 --> 00:00:10,950
howdy

2
00:00:38,709 --> 00:00:13,679
i'm bob bankins spacewalker on sts-130

3
00:00:38,719 --> 00:00:55,110
destination

4
00:01:17,350 --> 00:00:58,389
you've been all over

5
00:01:17,360 --> 00:01:35,590
me

6
00:01:44,389 --> 00:01:37,590
good morning endeavor and a special good

7
00:01:49,749 --> 00:01:47,190
good morning houston and also special

8
00:01:52,630 --> 00:01:49,759
good morning and big thanks to my sister

9
00:01:53,749 --> 00:01:52,640
becky as we're having a beautiful day up

10
00:01:55,270 --> 00:01:53,759
here

11
00:02:02,149 --> 00:01:55,280
getting ready to

12
00:02:08,070 --> 00:02:05,830
while we were away for a moment ago the

13
00:02:11,029 --> 00:02:08,080

repressurization of the space station's

14

00:02:13,190 --> 00:02:11,039

airlock commenced

15

00:02:17,430 --> 00:02:13,200

and was completed

16

00:02:19,270 --> 00:02:17,440

and just a moment ago 417 this afternoon

17

00:02:22,390 --> 00:02:19,280

station commander jeff williams reported

18

00:02:23,510 --> 00:02:22,400

that the airlock hatch is open and that

19

00:02:25,589 --> 00:02:23,520

allows

20

00:02:28,869 --> 00:02:25,599

space walkers bob benkin and nick

21

00:02:31,350 --> 00:02:28,879

patrick who are now on oxygen masks

22

00:02:32,949 --> 00:02:31,360

which have long hoses on them to

23

00:02:33,670 --> 00:02:32,959

re-enter the station

24

00:02:36,550 --> 00:02:33,680

and

25

00:02:39,270 --> 00:02:36,560

begin their hygiene break they'll be

26

00:02:41,030 --> 00:02:39,280

heading back into the airlock

27

00:02:43,670 --> 00:02:41,040

accompanied by

28

00:02:43,680 --> 00:02:47,589

shuttle commander george zamka

29

00:02:51,830 --> 00:02:48,390

and

30

00:02:55,110 --> 00:02:51,840

flight engineer tj creamer to continue

31

00:02:57,110 --> 00:02:55,120

the preparations for tonight's spacewalk

32

00:02:58,869 --> 00:02:57,120

in our current shot that's nick patrick

33

00:03:03,430 --> 00:02:58,879

in the lower left

34

00:03:08,070 --> 00:03:05,670

each of them next to

35

00:03:10,070 --> 00:03:08,080

their space suits

36

00:03:14,949 --> 00:03:10,080

and houston station space to ground too

37

00:03:14,959 --> 00:03:38,789

houston copies and we are ready

38

00:03:38,799 --> 00:03:43,670

4 45 houston time this afternoon

39

00:03:52,229 --> 00:03:44,710

the

40

00:03:56,710 --> 00:03:54,070

with space walkers

41

00:03:58,869 --> 00:03:56,720

bob banken and nick patrick inside

42

00:04:01,350 --> 00:03:58,879

now accompanied by station commander

43

00:04:03,830 --> 00:04:01,360

jeff williams shuttle commander george

44

00:04:07,750 --> 00:04:05,670

this is a view inside the international

45

00:04:08,869 --> 00:04:07,760

space station astronauts terry burts and

46

00:04:09,750 --> 00:04:08,879

kay heyer

47

00:04:12,229 --> 00:04:09,760

are

48

00:04:14,630 --> 00:04:12,239

located at the robotics workstation to

49

00:04:16,629 --> 00:04:14,640

operate canadarm2

50

00:04:18,789 --> 00:04:16,639

bert's called down a moment ago

51
00:04:21,830 --> 00:04:18,799
indicating that they are getting into

52
00:04:25,590 --> 00:04:21,840
the procedure to grapple tranquility in

53
00:04:27,030 --> 00:04:25,600
endeavors cargo bay right on schedule

54
00:04:28,469 --> 00:04:27,040
these are views from cameras on the

55
00:04:30,310 --> 00:04:28,479
outside of the international space

56
00:04:32,629 --> 00:04:30,320
station watching the space station

57
00:04:35,430 --> 00:04:32,639
robotic arm getting poised to latch on

58
00:04:37,909 --> 00:04:35,440
to tranquility

59
00:04:39,510 --> 00:04:37,919
i could take the rms elbow to the right

60
00:04:41,430 --> 00:04:39,520
a little bit

61
00:04:55,830 --> 00:04:41,440
i understand rms elbow to the right put

62
00:05:01,350 --> 00:04:57,830
shuttle astronauts terry burts and kay

63
00:05:03,749 --> 00:05:01,360

hire operating canadarm2 for the grapple

64

00:05:05,430 --> 00:05:03,759

of tranquility in preparation for its

65

00:05:17,270 --> 00:05:05,440

installation on the international space

66

00:05:21,590 --> 00:05:18,950

the space station's robotic arm

67

00:05:23,670 --> 00:05:21,600

canadarm2 is moving in ever so slowly to

68

00:05:26,230 --> 00:05:23,680

latch on to tranquility

69

00:05:28,230 --> 00:05:26,240

the end of the arm is passing

70

00:05:30,790 --> 00:05:28,240

over the grapple fixture

71

00:05:32,469 --> 00:05:30,800

getting close to the latching point

72

00:05:38,469 --> 00:05:32,479

where snares within the end effector

73

00:05:42,230 --> 00:05:40,310

these spacewalkers are getting ready to

74

00:05:44,390 --> 00:05:42,240

open the airlock hatch and then turn

75

00:05:48,230 --> 00:05:44,400

their suits on to battery power to start

76

00:05:57,110 --> 00:05:50,310

astronaut bob bankin is the first to

77

00:05:57,120 --> 00:06:04,309

okay

78

00:06:07,110 --> 00:06:05,749

as you can come out you can think about

79

00:06:12,550 --> 00:06:07,120

closing the thermal cover once you're

80

00:06:23,510 --> 00:06:14,390

astronaut nicholas patrick is now making

81

00:06:23,520 --> 00:06:40,390

let me put my local feather down here

82

00:06:46,070 --> 00:06:42,309

rotate your body just a little bit more

83

00:06:46,080 --> 00:06:56,070

close the thumb cover

84

00:06:58,950 --> 00:06:57,909

this is a view from the helmet camera on

85

00:07:05,270 --> 00:06:58,960

astronaut

86

00:07:08,790 --> 00:07:07,110

the power for the

87

00:07:10,629 --> 00:07:08,800

heaters on tranquility has been

88

00:07:15,510 --> 00:07:10,639

inhibited and the heaters have been

89

00:07:20,150 --> 00:07:17,510

this is a view of astronaut bob bankin

90

00:07:23,670 --> 00:07:20,160

working also on the tranquility module

91

00:07:27,029 --> 00:07:23,680

or note he is removing some covers on

92

00:07:28,790 --> 00:07:27,039

the port that will be installed on

93

00:07:31,029 --> 00:07:28,800

the station

94

00:07:36,070 --> 00:07:31,039

those covers have been protecting the

95

00:07:39,510 --> 00:07:37,430

there are eight covers that he will

96

00:07:43,189 --> 00:07:39,520

retrieve and stow in trash bags to bring

97

00:07:47,990 --> 00:07:46,309

hey bob once you get that uh

98

00:07:49,909 --> 00:07:48,000

back in place on your left hip there

99

00:07:53,670 --> 00:07:49,919

you've got to go to head head back

100

00:07:55,270 --> 00:07:53,680

towards the uh ods

101
00:07:56,710 --> 00:07:55,280
copy that

102
00:07:58,790 --> 00:07:56,720
make him ready for your tennis off

103
00:08:01,830 --> 00:07:58,800
report thank you my hair looks safe each

104
00:08:03,830 --> 00:08:01,840
other deviator is on my left earring

105
00:08:05,110 --> 00:08:03,840
closed unlocked

106
00:08:07,430 --> 00:08:05,120
very nice next

107
00:08:09,029 --> 00:08:07,440
uh with that you've got to go to head on

108
00:08:10,550 --> 00:08:09,039
back to the air walk

109
00:08:12,790 --> 00:08:10,560
it should be a scenic route you've got

110
00:08:14,869 --> 00:08:12,800
sun in about seven minutes

111
00:08:21,670 --> 00:08:14,879
i see that thank you

112
00:08:38,630 --> 00:08:24,309
if uh i would like a hand remember

113
00:08:38,640 --> 00:09:02,870

yeah you know where it is

114

00:09:08,630 --> 00:09:05,350

okay see there are now two

115

00:09:12,230 --> 00:09:08,640

bear safety tethers

116

00:09:23,990 --> 00:09:12,240

on the avionics sorry on the cpvm trash

117

00:09:29,990 --> 00:09:27,430

i'm looking at live handrail 208

118

00:09:31,430 --> 00:09:30,000

i think is one of my 208

119

00:09:33,670 --> 00:09:31,440

venus maybe

120

00:09:35,670 --> 00:09:33,680

it is indeed 208 zenith as you're

121

00:09:36,470 --> 00:09:35,680

looking at the mli bag will be the upper

122

00:09:37,350 --> 00:09:36,480

right

123

00:09:39,190 --> 00:09:37,360

strap

124

00:09:41,670 --> 00:09:39,200

make sure the uh

125

00:09:45,269 --> 00:09:41,680

the hinge is towards your left or uh

126

00:09:51,910 --> 00:09:48,470

okay let me reorient this

127

00:09:54,550 --> 00:09:51,920

okay steve i am on the scu

128

00:09:56,949 --> 00:09:54,560

and i do have a increasing

129

00:10:00,949 --> 00:09:56,959

o2p

130

00:10:00,959 --> 00:10:11,910

houston copies

131

00:10:17,190 --> 00:10:15,509

please provide yourself with a 208 venus

132

00:10:18,870 --> 00:10:17,200

okay do you want to go left or do you

133

00:10:21,110 --> 00:10:18,880

want to go towards your feet is this

134

00:10:27,190 --> 00:10:21,120

truly venus is that correct it is too

135

00:10:31,430 --> 00:10:29,910

the next one is 220 mega correct 220

136

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

nader towards your feet on the right

137

00:10:35,829 --> 00:10:33,360

side i'll go in that direction

138

00:10:37,430 --> 00:10:35,839

confirm uh hinge

139

00:10:39,269 --> 00:10:37,440

forward please i can't see the hinge

140

00:10:40,310 --> 00:10:39,279

side but what i have in front of me is

141

00:10:59,590 --> 00:10:40,320

the

142

00:11:03,910 --> 00:11:01,590

it should be double-sided you're saying

143

00:11:05,910 --> 00:11:03,920

it is double tethered when it's uh when

144

00:11:07,350 --> 00:11:05,920

i when i configure the bag okay so i'm

145

00:11:09,430 --> 00:11:07,360

going to remove one of those tethers or

146

00:11:11,509 --> 00:11:09,440

strips if you're all okay with that

147

00:11:15,990 --> 00:11:11,519

220

148

00:11:18,550 --> 00:11:16,000

nader thank you

149

00:11:20,790 --> 00:11:18,560

and that uh

150

00:11:22,310 --> 00:11:20,800

the avionics trash bag and the other

151
00:11:52,790 --> 00:11:22,320
does end up on your mini workstation

152
00:11:52,800 --> 00:12:01,990
good

153
00:12:11,990 --> 00:12:04,230
and he's an endeavor for eva not sure if

154
00:12:15,910 --> 00:12:13,750
uh we're discussing which way uh you

155
00:12:17,269 --> 00:12:15,920
would like nick to translate to the at

156
00:12:19,110 --> 00:12:17,279
the end going to note one do you want

157
00:12:20,710 --> 00:12:19,120
him to stay on the native report side

158
00:12:27,509 --> 00:12:20,720
you want to come have him come back

159
00:12:59,110 --> 00:12:29,030
this is for safety tether routing of

160
00:13:01,990 --> 00:13:00,790
space walker nicholas patrick has

161
00:13:04,069 --> 00:13:02,000
removed the

162
00:13:06,310 --> 00:13:04,079
second set of

163
00:13:09,269 --> 00:13:06,320

fasteners holding the stowage platform

164

00:13:09,279 --> 00:13:12,069

thanks bob

165

00:13:17,670 --> 00:13:13,829

and the crew members will work on moving

166

00:13:20,230 --> 00:13:17,680

it to its storage position on

167

00:13:21,910 --> 00:13:20,240

a tray on the port side of the truss

168

00:13:23,430 --> 00:13:21,920

structure

169

00:13:25,269 --> 00:13:23,440

we'll have

170

00:13:28,069 --> 00:13:25,279

control of the

171

00:13:38,389 --> 00:13:28,079

otp by the

172

00:13:42,870 --> 00:13:40,710

can you uh

173

00:13:44,870 --> 00:13:42,880

hold on to it there just for a second

174

00:13:47,350 --> 00:13:44,880

i'm holding it and i'm still registered

175

00:13:49,590 --> 00:13:47,360

of course okay can you lower your right

176
00:13:51,269 --> 00:13:49,600
arm

177
00:13:57,670 --> 00:13:51,279
how's that

178
00:14:24,069 --> 00:13:59,670
okay i've got the otp

179
00:14:27,509 --> 00:14:25,430
this is mission control houston

180
00:14:28,829 --> 00:14:27,519
continuing to watch the space station

181
00:14:32,150 --> 00:14:28,839
robotic arm

182
00:14:35,110 --> 00:14:32,160
canadarm2 maneuver the tranquility node

183
00:14:36,470 --> 00:14:35,120
ever so slowly through a staged fashion

184
00:14:37,750 --> 00:14:36,480
or procedure

185
00:14:41,269 --> 00:14:37,760
for its installation on the

186
00:14:46,069 --> 00:14:43,590
astronauts terry burts and kay heyer are

187
00:14:48,230 --> 00:14:46,079
at the controls of canadarm2 from a

188
00:14:50,629 --> 00:14:48,240

robotics workstation inside the

189

00:14:53,590 --> 00:14:50,639

station's destiny laboratory

190

00:14:56,230 --> 00:14:53,600

let me keep this down here for you both

191

00:14:59,189 --> 00:14:56,240

i have the square grid in my hands

192

00:15:02,069 --> 00:14:59,199

right you've got to control the otp

193

00:15:03,110 --> 00:15:02,079

standby will i just reorient my grip

194

00:15:04,310 --> 00:15:03,120

you ready

195

00:15:06,470 --> 00:15:04,320

i am ready

196

00:15:08,230 --> 00:15:06,480

okay i'm reoriented

197

00:15:10,069 --> 00:15:08,240

i'm going to uh

198

00:15:24,710 --> 00:15:10,079

he's got positive control of the otp i'm

199

00:15:27,509 --> 00:15:26,310

okay and as you know the big picture is

200

00:15:29,350 --> 00:15:27,519

square group

201

00:15:31,590 --> 00:15:29,360

uh scoop comes off

202

00:15:34,150 --> 00:15:31,600

position the otp and install the hinge

203

00:15:36,230 --> 00:15:34,160

pin around the uh handrail

204

00:15:37,189 --> 00:15:36,240

okay it's gonna have to come towards you

205

00:15:55,990 --> 00:15:37,199

next

206

00:16:02,389 --> 00:15:57,509

clockwise

207

00:16:04,069 --> 00:16:02,399

turns bob okay

208

00:16:06,949 --> 00:16:04,079

astronaut bob banking is using the

209

00:16:08,710 --> 00:16:06,959

pistol grip tool to engage one hinge pin

210

00:16:10,629 --> 00:16:08,720

in the

211

00:16:27,269 --> 00:16:10,639

tool platform

212

00:16:31,189 --> 00:16:29,350

okay houston it was uh

213

00:16:33,749 --> 00:16:31,199

i did put several turns in when i

214

00:16:35,749 --> 00:16:33,759

started and i only got an additional

215

00:16:37,670 --> 00:16:35,759

almost five this time around but i did

216

00:16:40,470 --> 00:16:37,680

several turns to get it started the

217

00:16:50,949 --> 00:16:40,480

torque was 19.4

218

00:16:55,269 --> 00:16:53,350

and uh

219

00:16:57,269 --> 00:16:55,279

nick i'd like you to disengage the

220

00:16:58,949 --> 00:16:57,279

parking brake it's a two taps on the

221

00:17:00,949 --> 00:16:58,959

brake pedal

222

00:17:02,550 --> 00:17:00,959

okay and then the brake handle should be

223

00:17:05,990 --> 00:17:02,560

pointing stationary

224

00:17:06,870 --> 00:17:06,000

astronaut nicholas patrick is finishing

225

00:17:12,870 --> 00:17:06,880

the

226

00:17:14,390 --> 00:17:12,880

tool platform and

227

00:17:16,710 --> 00:17:14,400

astronaut bob bankin is complete with

228

00:17:18,309 --> 00:17:16,720

his task there and is ready to head back

229

00:17:21,270 --> 00:17:18,319

to the airlock where both crew members

230

00:17:26,150 --> 00:17:21,280

will meet up again to stow some of the

231

00:17:43,669 --> 00:17:27,510

once you get to the airlock bob i'll

232

00:17:52,549 --> 00:17:46,950

and see for this otp bag do you have a

233

00:17:56,630 --> 00:17:54,470

let's add that to the list of things

234

00:17:58,789 --> 00:17:56,640

that houston is going to suggest when

235

00:18:01,270 --> 00:17:58,799

they come back to us

236

00:18:06,549 --> 00:18:01,280

in the tranquility node is being moved

237

00:18:10,789 --> 00:18:08,630

canadarm2 the space station's robotic

238

00:18:12,789 --> 00:18:10,799

arm is moving tranquility as it is being

239

00:18:14,070 --> 00:18:12,799

operated by astronauts terry burts and

240

00:18:17,270 --> 00:18:14,080

kay heyer

241

00:18:18,870 --> 00:18:17,280

we'll move into this contact point on

242

00:18:20,630 --> 00:18:18,880

unity

243

00:18:23,990 --> 00:18:20,640

connecting the two ports and then there

244

00:18:26,950 --> 00:18:24,000

will be two procedures of a two-staged

245

00:18:33,669 --> 00:18:26,960

fashion of capture latches being engaged

246

00:18:43,350 --> 00:18:35,669

and houston you know i'll be uh looking

247

00:18:43,360 --> 00:18:52,230

roger

248

00:18:57,590 --> 00:18:53,990

is moving in

249

00:18:59,350 --> 00:18:57,600

well if you were if you have a moment to

250

00:19:01,110 --> 00:18:59,360

spare

251

00:19:02,630 --> 00:19:01,120

if you could go around the other side

252

00:19:03,909 --> 00:19:02,640

and hook up the other one for me then i

253

00:19:06,150 --> 00:19:03,919

don't have to

254

00:19:08,150 --> 00:19:06,160

uh leave it on one tether or do anything

255

00:19:11,110 --> 00:19:08,160

complicated okay and so that's going to

256

00:19:13,029 --> 00:19:11,120

be on this side where i'm at uh correct

257

00:19:15,070 --> 00:19:13,039

and it'll be on the other side

258

00:19:19,029 --> 00:19:15,080

apparently

259

00:19:21,029 --> 00:19:19,039

andrea245 yeah no you're right let me uh

260

00:19:47,750 --> 00:19:21,039

let me process you

261

00:20:05,350 --> 00:19:51,830

and this is the 245 and adjustable bulb

262

00:20:09,029 --> 00:20:06,549

okay

263

00:20:14,070 --> 00:20:09,039

i'll take it from you thank you and uh

264

00:20:19,430 --> 00:20:16,870

that's true it's the afghan of 245 and

265

00:20:23,669 --> 00:20:19,440

244.

266

00:20:29,590 --> 00:20:25,909

bag

267

00:20:31,190 --> 00:20:29,600

together is a shutter down to 245 ass

268

00:20:34,310 --> 00:20:31,200

okay it's got two feathers i'm releasing

269

00:20:37,430 --> 00:20:34,320

the rent from my vlc cavanaugh

270

00:20:39,669 --> 00:20:37,440

how loose is that batman

271

00:20:41,990 --> 00:20:39,679

it's a completely expect the adjustable

272

00:20:47,350 --> 00:20:42,000

over here completely extended okay

273

00:20:52,470 --> 00:20:50,149

bob if your camera is handy sun rises in

274

00:20:54,070 --> 00:20:52,480

about five minutes

275

00:20:56,710 --> 00:20:54,080

it shows just off your left shoulder

276

00:21:01,750 --> 00:20:56,720

there your left hip i do see it it looks

277

00:21:05,510 --> 00:21:03,350

i'm there sure it's moving much right

278

00:21:11,990 --> 00:21:05,520

now but uh i'd have to get a slightly

279

00:21:16,549 --> 00:21:13,430

i could go and get into this you can see

280

00:21:19,190 --> 00:21:16,559

from this view astronaut bob benkin is

281

00:21:24,870 --> 00:21:19,200

nearby watching the tranquility node

282

00:21:29,669 --> 00:21:26,870

only switch down uh

283

00:21:31,430 --> 00:21:29,679

okay if it's attached i'm just gonna i'm

284

00:21:33,270 --> 00:21:31,440

gonna take mine off for a second and

285

00:21:37,909 --> 00:21:33,280

turn it to get one twist out you ready

286

00:21:42,470 --> 00:21:39,510

that's down to three attacks i'm gonna

287

00:21:44,549 --> 00:21:42,480

cinch mine halfway

288

00:21:46,070 --> 00:21:44,559

easton can we spare uh

289

00:21:48,950 --> 00:21:46,080

three or four minutes for bob to take

290

00:21:53,750 --> 00:21:51,270

i think we can spare a few more than

291

00:22:10,950 --> 00:21:53,760

three or four minutes so just enjoy the

292

00:22:16,070 --> 00:22:13,190

fetch i would like to ask for a

293

00:22:17,190 --> 00:22:16,080

consumables status check here

294

00:22:19,750 --> 00:22:17,200

and then we're probably going to get

295

00:22:22,470 --> 00:22:19,760

ahead of even more as we uh

296

00:22:24,870 --> 00:22:22,480

stand by in the upcoming minute just to

297

00:22:27,350 --> 00:22:24,880

see where we're at

298

00:22:29,029 --> 00:22:27,360

yeah so would i

299

00:22:32,870 --> 00:22:29,039

copy we're thinking the same thing and

300

00:22:36,789 --> 00:22:34,470

well if you could you want to pull on

301
00:22:38,870 --> 00:22:36,799
your adjustable a bit and take some

302
00:22:40,549 --> 00:22:38,880
slack out of yours while we wait

303
00:22:42,070 --> 00:22:40,559
okay i've got all the slack out of my

304
00:22:43,590 --> 00:22:42,080
hands

305
00:22:44,789 --> 00:22:43,600
okay i have all the snack out of mine

306
00:22:47,190 --> 00:22:44,799
now

307
00:22:49,029 --> 00:22:47,200
okay steve while we're waiting um i can

308
00:22:51,750 --> 00:22:49,039
tell you that the two stages of the bag

309
00:22:54,070 --> 00:22:51,760
facing me have no gaps

310
00:22:56,789 --> 00:22:54,080
the jumpers are a

311
00:22:58,950 --> 00:22:56,799
hidden behind this bag

312
00:23:00,710 --> 00:22:58,960
happy great job

313
00:23:02,950 --> 00:23:00,720

i guess uh nick what i'd like to do is

314

00:23:05,430 --> 00:23:02,960

this this seems a little bit

315

00:23:09,190 --> 00:23:05,440

insecure to me okay

316

00:23:11,190 --> 00:23:09,200

um so if you leave your end tethered

317

00:23:15,750 --> 00:23:11,200

i will do that okay what i'm going to do

318

00:23:17,750 --> 00:23:15,760

is move mine to the forward end of 245

319

00:23:19,430 --> 00:23:17,760

and if you could move yours when we get

320

00:23:22,950 --> 00:23:19,440

to that point to the

321

00:23:25,830 --> 00:23:22,960

handrail just behind it sorry just just

322

00:23:28,230 --> 00:23:25,840

half of it after it okay so i'm going to

323

00:23:30,310 --> 00:23:28,240

relocate mine a little bit it should

324

00:23:32,310 --> 00:23:30,320

just make the bag a little more diagonal

325

00:23:35,270 --> 00:23:32,320

on here but we'll be able to cinch it

326

00:23:37,190 --> 00:23:35,280

down a little bit better okay

327

00:23:38,470 --> 00:23:37,200

okay i am relocated you have to go to

328

00:23:40,149 --> 00:23:38,480

relocate your

329

00:23:42,149 --> 00:23:40,159

relocation

330

00:23:44,870 --> 00:23:42,159

so today just just a few inches here to

331

00:23:46,470 --> 00:23:44,880

the office they told me to go to the off

332

00:23:48,149 --> 00:23:46,480

end of the next turn go away then

333

00:23:49,350 --> 00:23:48,159

forward the end of the

334

00:23:51,510 --> 00:23:49,360

next channel

335

00:23:54,070 --> 00:23:51,520

in the procedure to secure tranquility

336

00:23:56,310 --> 00:23:54,080

in place the crew will move into the

337

00:23:59,110 --> 00:23:56,320

first stage capture

338

00:24:45,750 --> 00:23:59,120

there are two stages of capturing the

339

00:24:50,149 --> 00:24:47,909

hey 101 was uh pretty tough to remove

340

00:24:51,190 --> 00:24:50,159

their fees

341

00:24:53,909 --> 00:24:51,200

off

342

00:24:55,990 --> 00:24:53,919

the jack and the pin size the

343

00:24:57,430 --> 00:24:56,000

plus size are free of course the pins

344

00:25:00,870 --> 00:24:57,440

are

345

00:25:02,390 --> 00:25:00,880

full straight at the emi band looks good

346

00:25:04,070 --> 00:25:02,400

sounds good nick just before you made it

347

00:25:06,310 --> 00:25:04,080

can you tell me you got that dust cap on

348

00:25:08,310 --> 00:25:06,320

on the p1 out of your trash bag i don't

349

00:25:10,630 --> 00:25:08,320

yeah i'd like to uh

350

00:25:12,470 --> 00:25:10,640

make this one first to keep it stable

351

00:25:24,549 --> 00:25:12,480

and then uh go for that dust cap it's

352

00:25:24,559 --> 00:25:33,590

thank you nick looks very nice to me

353

00:25:38,149 --> 00:25:35,029

stevie ray we're good with nick's

354

00:25:42,070 --> 00:25:39,669

great thanks for the quick response

355

00:25:45,350 --> 00:25:42,080

there hell on the team okay nick if you

356

00:25:47,909 --> 00:25:45,360

would uh let bob get to work there

357

00:25:49,190 --> 00:25:47,919

take a breather if you would think about

358

00:25:51,190 --> 00:25:49,200

mli

359

00:25:53,510 --> 00:25:51,200

okay by

360

00:26:04,710 --> 00:25:53,520

relocating the jumper bag

361

00:26:09,110 --> 00:26:06,630

yeah there is uh

362

00:26:11,430 --> 00:26:09,120

really no buckle to speak of

363

00:26:15,029 --> 00:26:11,440

on the uh charlie it's just right at the

364

00:26:16,470 --> 00:26:15,039

619 handrail but it does look good

365

00:26:18,630 --> 00:26:16,480

but for the

366

00:26:20,470 --> 00:26:18,640

the turn test

367

00:26:22,310 --> 00:26:20,480

station capcom helen getzelman talking

368

00:26:23,990 --> 00:26:22,320

with mission specialist bob benkin who

369

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

you can see here through mission

370

00:26:29,269 --> 00:26:26,320

specialist nick patrick's helmet camera

371

00:26:31,269 --> 00:26:29,279

patrick taking a and bob photo of

372

00:26:32,549 --> 00:26:31,279

banking while uh banking answers some

373

00:26:36,310 --> 00:26:32,559

questions for the ground about his

374

00:26:36,320 --> 00:26:47,110

roger

375

00:26:53,269 --> 00:26:49,510

and he's an endeavor for eva

376
00:26:54,549 --> 00:26:53,279
thinking about starting cleanup for ev2

377
00:26:57,110 --> 00:26:54,559
and just wondering if you're ready for

378
00:26:57,120 --> 00:27:01,269
houston's ready good plan

379
00:27:01,279 --> 00:27:10,070
great thank you

380
00:27:16,310 --> 00:27:12,310
both spacewalkers in view here on the

381
00:27:19,830 --> 00:27:18,149
mission specialist bob bankin at the

382
00:27:21,669 --> 00:27:19,840
very top of the screen we'll go ahead

383
00:27:23,750 --> 00:27:21,679
and get nick's uh

384
00:27:25,510 --> 00:27:23,760
inventory i am

385
00:27:27,110 --> 00:27:25,520
very good i've got you on camera and

386
00:27:29,029 --> 00:27:27,120
nicholas patrick

387
00:27:37,830 --> 00:27:29,039
towards the center of the screen on the

388
00:27:47,430 --> 00:27:41,269

just give me a second besties

389

00:27:53,350 --> 00:27:49,110

i'm just going to get a uh

390

00:28:03,590 --> 00:27:55,510

and i'm going to switch

391

00:28:07,430 --> 00:28:06,149

on the alt radio

392

00:28:09,750 --> 00:28:07,440

you are loud and clear it sounds

393

00:28:13,269 --> 00:28:09,760

identical as you did before

394

00:28:15,590 --> 00:28:13,279

okay and uh your volume sounds uh

395

00:28:17,350 --> 00:28:15,600

still kind of weak uh similar exactly

396

00:28:20,389 --> 00:28:17,360

the same as it was before

397

00:28:22,230 --> 00:28:20,399

and i do have the alt radio ss6

398

00:28:24,389 --> 00:28:22,240

let's do so be ready for that if

399

00:28:29,029 --> 00:28:24,399

so we'll go relay home with fun go to

400

00:28:32,470 --> 00:28:30,710

now six hours and 20 minutes into

401
00:28:35,350 --> 00:28:32,480
today's six and a half hour long space

402
00:28:51,350 --> 00:28:37,510
it's about the place where we say divers

403
00:28:55,750 --> 00:28:53,190
and it marked the fourth spacewalk for

404
00:28:57,430 --> 00:28:55,760
bob bankin his total is now 25 hours and

405
00:28:59,350 --> 00:28:57,440
51 minutes

406
00:29:01,190 --> 00:28:59,360
and the first for nicholas patrick who

407
00:29:14,310 --> 00:29:01,200
of course has six hours and 32 minutes

408
00:29:18,549 --> 00:29:15,830
mission specialist bob banking there

409
00:29:20,389 --> 00:29:18,559
just a moment ago nicholas patrick

410
00:29:49,990 --> 00:29:20,399
getting out of their spacesuits

411
00:30:05,750 --> 00:29:51,669
endeavor houston air to round two for

412
00:30:09,350 --> 00:30:07,590
hey terry sorry you got cut out there

413
00:30:14,630 --> 00:30:09,360

with some ratty calm but you called

414

00:30:18,470 --> 00:30:16,230

yeah i purged the water transfer line is

415

00:30:20,549 --> 00:30:18,480

that all you wanted me to do today

416

00:30:22,070 --> 00:30:20,559

the uh the first step had me get

417

00:30:23,269 --> 00:30:22,080

everything out but i didn't do that i

418

00:30:31,269 --> 00:30:23,279

think he just wanted me to purge the