



1
00:00:06,889 --> 00:00:03,560
with a checklist completed with george

2
00:00:10,070 --> 00:00:06,899
zamka commander of endeavor assisting

3
00:00:11,720 --> 00:00:10,080
making sure that the suits are okay the

4
00:00:14,810 --> 00:00:11,730
two astronauts now ready to head outside

5
00:00:17,900 --> 00:00:14,820
he's handed them off to astronaut Steve

6
00:00:20,590 --> 00:00:17,910
Robinson veteran astronaut in space

7
00:00:24,050 --> 00:00:20,600
Walker who will choreograph their EBA

8
00:00:25,910 --> 00:00:24,060
from the flight deck of Endeavour he's

9
00:00:28,040 --> 00:00:25,920
serving as the flight engineer

10
00:00:30,109 --> 00:00:28,050
throughout endeavours mission he's also

11
00:00:33,549 --> 00:00:30,119
serving as the interview killer crew

12
00:00:36,049 --> 00:00:33,559
member as the crew members now begin

13
00:00:43,130 --> 00:00:36,059

tonight's spacewalk the official start

14

00:00:46,569 --> 00:00:43,140

time 8:20 p.m. Central Time anchor hook

15

00:00:48,740 --> 00:00:46,579

is closed and locked on the app-v ring

16

00:00:51,799 --> 00:00:48,750

copy that you don't have an option to

17

00:00:53,810 --> 00:00:51,809

release release your left wait instead

18

00:00:56,420 --> 00:00:53,820

of where it is okay you can relocate

19

00:00:56,900 --> 00:00:56,430

Knicks safety tether anchor for where it

20

00:01:01,729 --> 00:00:56,910

is today

21

00:01:03,979 --> 00:01:01,739

forward they're letting room okay Bob

22

00:01:06,109 --> 00:01:03,989

Behnken the first crew member out of the

23

00:01:08,960 --> 00:01:06,119

hatch he's wearing a space suit with a

24

00:01:16,490 --> 00:01:08,970

red stripe around the upper portion of

25

00:01:20,890 --> 00:01:16,500

the suit legs he is on his fifth

26
00:01:24,170 --> 00:01:20,900
spacewalk now his previous spacewalks

27
00:01:27,819 --> 00:01:24,180
totaled 25 hours 51 minutes

28
00:01:32,810 --> 00:01:27,829
Nick Patrick heading out here shortly

29
00:01:37,520 --> 00:01:32,820
he'll be completing his second spacewalk

30
00:01:42,380 --> 00:01:37,530
this evening is first with bankin two

31
00:02:04,679 --> 00:01:42,390
days ago lasted six hours 32 minutes you

32
00:02:11,790 --> 00:02:06,330
have a ready

33
00:02:14,339 --> 00:02:11,800
workstation I will release the rest and

34
00:02:17,570 --> 00:02:14,349
buy one bulk I'm just securing our

35
00:02:24,300 --> 00:02:17,580
contingency back here

36
00:02:24,660 --> 00:02:24,310
ammonia bees okay I'm ready for that red

37
00:02:29,289 --> 00:02:24,670
bulb

38
00:02:33,610 --> 00:02:31,459

and I'm ready for you to come out and

39

00:02:38,030 --> 00:02:33,620

see this thank you folks

40

00:02:40,069 --> 00:02:38,040

he's ready B five seconds left on the

41

00:02:46,610 --> 00:02:40,079

air look being extended for visiting my

42

00:03:04,260 --> 00:02:46,620

local feather there you go to e grass

43

00:03:09,160 --> 00:03:06,700

endeavor on the big loop expect the

44

00:03:11,910 --> 00:03:09,170

bat-vault decay on everyone in five

45

00:03:25,480 --> 00:03:22,720

everyone copy and Nick Patrick now out

46

00:03:29,110 --> 00:03:25,490

of the hatch he will be distinguishable

47

00:03:34,120 --> 00:03:29,120

by his suit with no markings on it so

48

00:03:37,690 --> 00:03:34,130

the two astronauts now out soon be

49

00:03:40,930 --> 00:03:37,700

translating over the top of the airlock

50

00:03:43,420 --> 00:03:40,940

node one which is named unity over to

51
00:03:46,000 --> 00:03:43,430
tranquility the newest component of the

52
00:03:48,370 --> 00:03:46,010
International Space Station delivered on

53
00:03:57,980 --> 00:03:48,380
this mission

54
00:04:01,850 --> 00:03:57,990
double coverage first team on that

55
00:04:05,180 --> 00:04:01,860
handle six six five I'll put down my

56
00:04:07,270 --> 00:04:05,190
cream okay that sounds good

57
00:04:10,720 --> 00:04:07,280
put that down and then I'll take me

58
00:04:12,800 --> 00:04:10,730
we'll go to the MVP of our first

59
00:04:16,510 --> 00:04:12,810
deconflict might say to each other from

60
00:04:33,550 --> 00:04:16,520
there but that's a great idea

61
00:04:39,730 --> 00:04:37,570
my father's good topic love inspection

62
00:04:42,310 --> 00:04:39,740
everyone all right with that now you're

63
00:04:50,290 --> 00:04:42,320

cleared over to the MLA work area

64

00:04:52,180 --> 00:04:50,300

starting estimators copy that

65

00:04:53,890 --> 00:04:52,190

so you think you your first in real

66

00:04:59,859 --> 00:04:53,900

target when you get over there Bob to be

67

00:05:10,369 --> 00:05:06,049

actually just one love it okay thanks

68

00:05:13,399 --> 00:05:10,379

patience hope this is a good opportunity

69

00:05:16,100 --> 00:05:13,409

to see the size of the International

70

00:05:19,369 --> 00:05:16,110

Space Station relative to the space

71

00:05:21,980 --> 00:05:19,379

walkers that's just one module the Nick

72

00:05:25,010 --> 00:05:21,990

Patrick just translated across a grapple

73

00:05:27,469 --> 00:05:25,020

fixture the far distance and the

74

00:06:00,780 --> 00:05:27,479

lower-right is the Russian segment of

75

00:06:05,110 --> 00:06:03,700

strategically located all over the

76
00:06:07,840 --> 00:06:05,120
outside of the International Space

77
00:06:10,660 --> 00:06:07,850
Station are sockets special sockets that

78
00:06:13,600 --> 00:06:10,670
were designed into the modules known as

79
00:06:15,970 --> 00:06:13,610
worksite interfaces or whiffs by their

80
00:06:20,130 --> 00:06:15,980
acronym they allow for the installation

81
00:06:23,650 --> 00:06:20,140
of foot restraints and as you see the

82
00:06:27,190 --> 00:06:23,660
foot restraints already in place that

83
00:06:36,520 --> 00:06:27,200
will assist and stabilize a crew member

84
00:06:44,990 --> 00:06:42,020
their first task is to basically lay out

85
00:06:48,260 --> 00:06:45,000
some what's known as M Li multi-layer

86
00:06:53,150 --> 00:06:48,270
insulation that insulation will be used

87
00:06:55,909 --> 00:06:53,160
to wrap around the ammonia lines once

88
00:06:59,200 --> 00:06:55,919

they are installed so the first task is

89

00:07:02,320 --> 00:06:59,210

to basically set the stage for the

90

00:07:07,070 --> 00:07:02,330

insulation so they'll be laying that out

91

00:07:10,060 --> 00:07:07,080

ahead of the actual installation of the

92

00:07:12,790 --> 00:07:10,070

ammonia lines

93

00:07:15,190 --> 00:07:12,800

as less insulation later will be wrapped

94

00:07:17,200 --> 00:07:15,200

around those lines to protect them from

95

00:07:20,020 --> 00:07:17,210

the thermal excursions on the outside of

96

00:07:34,800 --> 00:07:20,030

the station during its travels around

97

00:07:41,790 --> 00:07:39,390

as Bob Behnken and Nick Patrick set up

98

00:07:45,450 --> 00:07:41,800

for their first task of laying out the

99

00:07:47,670 --> 00:07:45,460

insulation that will be used to to

100

00:07:49,490 --> 00:07:47,680

protect the ammonia lines once they are

101
00:07:51,960 --> 00:07:49,500
installed we heard just a moment ago

102
00:07:54,090 --> 00:07:51,970
station commander Jeff Williams

103
00:07:58,370 --> 00:07:54,100
reporting back that he removed the two

104
00:08:01,770 --> 00:07:58,380
bolts that up in the area where the

105
00:08:03,750 --> 00:08:01,780
cupola interfaces with node three the

106
00:08:08,270 --> 00:08:03,760
tranquility know that cupola will be

107
00:08:11,400 --> 00:08:08,280
relocated and ahead of that a protective

108
00:08:12,620 --> 00:08:11,410
insulation cover is supposed to be

109
00:08:17,460 --> 00:08:12,630
installed there was some interference

110
00:08:18,900 --> 00:08:17,470
noted yesterday and he told the ground

111
00:08:20,520 --> 00:08:18,910
just a moment ago he's taken some

112
00:08:23,670 --> 00:08:20,530
pictures he'll send those to the ground

113
00:08:28,770 --> 00:08:23,680

so engineers can look at those and he

114

00:08:33,029 --> 00:08:28,780

thinks that the cover should be able to

115

00:08:35,310 --> 00:08:33,039

be installed with some fairly tight

116

00:08:38,790 --> 00:08:35,320

margins but he thought that that would

117

00:08:40,589 --> 00:08:38,800

not be a factor one of the other

118

00:08:43,409 --> 00:08:40,599

concerns was once the cupola was

119

00:08:48,000 --> 00:08:43,419

detached from its current location would

120

00:08:51,990 --> 00:08:48,010

it be able to be relocated securely to

121

00:08:53,910 --> 00:08:52,000

its permanent home and he thought that

122

00:08:56,790 --> 00:08:53,920

even with tight margins that that should

123

00:08:58,079 --> 00:08:56,800

be the case so the bottom line is we'll

124

00:09:00,930 --> 00:08:58,089

wait and see what the engineering

125

00:09:02,940 --> 00:09:00,940

community reports back after looking at

126

00:09:07,530 --> 00:09:02,950

the photos that Jeff Williams took and

127

00:09:09,780 --> 00:09:07,540

his own assessment of whether or not

128

00:09:13,670 --> 00:09:09,790

that thermal cover can be installed

129

00:09:16,470 --> 00:09:13,680

properly ahead of the cupola relocation

130

00:09:18,840 --> 00:09:16,480

the International Space Station is space

131

00:09:21,630 --> 00:09:18,850

shuttle endeavour of just just about to

132

00:09:23,550 --> 00:09:21,640

move into an orbital sunset tracking

133

00:09:25,320 --> 00:09:23,560

northeasterly across the Southern

134

00:09:29,190 --> 00:09:25,330

Pacific Ocean just about to cross the

135

00:09:38,130 --> 00:09:29,200

coastline of western coastline of South

136

00:09:41,360 --> 00:09:38,140

America one hour 12 minutes into the

137

00:09:43,590 --> 00:09:41,370

spacewalk coming up on sunrise as the

138

00:09:46,890 --> 00:09:43,600

International Space Station of space

139

00:09:48,650 --> 00:09:46,900

shuttle Endeavour head toward had

140

00:09:52,280 --> 00:09:48,660

easterly across

141

00:09:54,889 --> 00:09:52,290

Europe the two spacecraft will move into

142

00:10:00,430 --> 00:09:54,899

an orbital sunrise as they head down

143

00:10:06,679 --> 00:10:03,530

they're in the process now of stretching

144

00:10:09,650 --> 00:10:06,689

out the coolant lines the ammonia lines

145

00:10:12,379 --> 00:10:09,660

a stretch from the Destiny laboratory to

146

00:10:19,360 --> 00:10:12,389

the new tranquility node once those are

147

00:10:22,749 --> 00:10:19,370

installed they will secure them and also

148

00:10:26,840 --> 00:10:22,759

protect them with the insulation

149

00:10:28,579 --> 00:10:26,850

blankets for the to be able to handle

150

00:10:31,730 --> 00:10:28,589

the thermal excursions they'll then be

151
00:10:35,540 --> 00:10:31,740
pressurized which will allow the ammonia

152
00:10:39,199 --> 00:10:35,550
to flow through those lines one

153
00:10:41,449 --> 00:10:39,209
particularly impatient bulb through the

154
00:10:43,400 --> 00:10:41,459
gas burner and then we'll see how the

155
00:10:47,650 --> 00:10:43,410
orientation works out so whichever one

156
00:10:51,650 --> 00:10:47,660
of us does it take a picture second

157
00:10:57,139 --> 00:10:51,660
roughly hold it into position

158
00:11:00,019 --> 00:10:57,149
okay and I think I'm about it's about a

159
00:11:01,699 --> 00:11:00,029
hundred eighty out the shortest route

160
00:11:06,860 --> 00:11:01,709
for me to get it to the mating

161
00:11:10,530 --> 00:11:06,870
orientation with mo na na na of is this

162
00:11:15,990 --> 00:11:14,160
okay and I think that that's uh that's

163
00:11:17,520 --> 00:11:16,000

okay it's kind of got the line routed

164

00:11:20,280 --> 00:11:17,530

the direction that I think that it goes

165

00:11:21,870 --> 00:11:20,290

and I'm going to secure the midpoint at

166

00:11:29,180 --> 00:11:21,880

this point and I'm going to put it

167

00:11:31,380 --> 00:11:29,190

through the brother they thank you the

168

00:11:33,780 --> 00:11:31,390

International Space Station and Space

169

00:11:37,260 --> 00:11:33,790

Shuttle Endeavor complex tracking

170

00:11:40,230 --> 00:11:37,270

southeasterly across are headed toward

171

00:11:49,380 --> 00:11:40,240

the northern North Central coastline of

172

00:11:51,210 --> 00:11:49,390

Australia hey dick well I'm glad I got

173

00:11:55,010 --> 00:11:51,220

nearly gone the caps cap one came off

174

00:11:58,860 --> 00:11:55,020

really easily a clap on em to require

175

00:12:02,850 --> 00:11:58,870

maximum force from two hands and so I

176

00:12:06,720 --> 00:12:02,860

NIC what I found on the m3 cap if it

177

00:12:09,080 --> 00:12:06,730

started to get a little bit yes in the

178

00:12:12,240 --> 00:12:09,090

loosening direction so I took it back

179

00:12:14,030 --> 00:12:12,250

tight just all a little bit and then it

180

00:12:17,790 --> 00:12:14,040

came off smoothly

181

00:12:19,170 --> 00:12:17,800

thank you I'll try that it's even

182

00:12:22,680 --> 00:12:19,180

tighter getting back all involve I'm

183

00:12:33,100 --> 00:12:22,690

reluctant to okay go any further than

184

00:12:39,139 --> 00:12:36,590

if Bob looks like here and this is the

185

00:12:43,999 --> 00:12:39,149

Fisher he looks pretty well-rounded I am

186

00:12:46,790 --> 00:12:44,009

I cut the I thought I'll remove and on

187

00:12:49,069 --> 00:12:46,800

the adjustable headed back to be our

188

00:12:51,350 --> 00:12:49,079

crew lock bag and like I said we'll go

189

00:12:54,590 --> 00:12:51,360

in the bag one second I open the door

190

00:12:56,840 --> 00:12:54,600

after I've got the other two caps that

191

00:12:58,670 --> 00:12:56,850

sounds like a great plan alright next

192

00:13:00,740 --> 00:12:58,680

push the bail forward significant force

193

00:13:02,689 --> 00:13:00,750

while pushing the button then move the

194

00:13:04,340 --> 00:13:02,699

Bell laughs checking with the forward

195

00:13:13,220 --> 00:13:04,350

right hand is visible from the button

196

00:13:15,230 --> 00:13:13,230

this popped up okay three hours 19

197

00:13:17,420 --> 00:13:15,240

minutes into the spacewalk the crew was

198

00:13:22,300 --> 00:13:17,430

just told that the ground is about five

199

00:13:27,530 --> 00:13:22,310

minutes away from being ready for the

200

00:13:30,470 --> 00:13:27,540

EBA crewmembers Bob Behnken and Nick

201
00:13:35,319 --> 00:13:30,480
Patrick to open the qts the quick

202
00:13:37,819 --> 00:13:35,329
disconnects to allow ammonia to flow the

203
00:13:41,050 --> 00:13:37,829
the ground has to verify that the

204
00:13:44,870 --> 00:13:41,060
external thermal control system loop a

205
00:13:47,090 --> 00:13:44,880
has been shut down before the crew

206
00:13:50,380 --> 00:13:47,100
members are given a go to flow the

207
00:13:58,600 --> 00:13:53,960
and the coastline of Australia coming

208
00:14:00,530 --> 00:13:58,610
into view 225 miles beneath the

209
00:14:05,780 --> 00:14:00,540
International Space Station Space

210
00:14:07,880 --> 00:14:05,790
Shuttle Endeavor and two roaming

211
00:14:10,970 --> 00:14:07,890
satellites on the outside of the complex

212
00:14:14,260 --> 00:14:10,980
Bob Behnken and Nick Patrick as they

213
00:14:18,970 --> 00:14:14,270

wrap up the task of insulation

214

00:14:22,010 --> 00:14:18,980

protection around the ammonia lines

215

00:14:25,340 --> 00:14:22,020

internal activation of the tranquility

216

00:14:28,190 --> 00:14:25,350

module continues crew confirms in the

217

00:14:31,610 --> 00:14:28,200

ground as well that the the lights are

218

00:14:33,760 --> 00:14:31,620

on in the module so some of that most of

219

00:14:36,710 --> 00:14:33,770

the procedures are going very smoothly

220

00:14:40,160 --> 00:14:36,720

internally while the spacewalk continues

221

00:14:44,900 --> 00:14:40,170

outside the blanket that is not

222

00:14:47,990 --> 00:14:44,910

silverside out is where the main piece

223

00:14:51,950 --> 00:14:48,000

of the lab trousers that were then since

224

00:14:55,690 --> 00:14:51,960

the lab her to clean between Dockers has

225

00:14:58,040 --> 00:14:55,700

three and four I have a kind of firm

226

00:15:01,070 --> 00:14:58,050

on-the-spot solution that I think will

227

00:15:03,560 --> 00:15:01,080

fold that in half it would require about

228

00:15:06,740 --> 00:15:03,570

five minutes work and I would not be

229

00:15:09,910 --> 00:15:06,750

ready today until I could probably get a

230

00:15:14,660 --> 00:15:09,920

cadet not actually a box which I

231

00:15:16,280 --> 00:15:14,670

describe acute Houston if you copied

232

00:15:20,050 --> 00:15:16,290

Nick's words I'm kind of hoping that's

233

00:15:28,750 --> 00:15:26,980

checking hey Houston Bob I see you there

234

00:15:32,740 --> 00:15:28,760

at number three and working on the

235

00:15:47,190 --> 00:15:32,750

fasteners that's a little steep thank

236

00:16:05,070 --> 00:15:54,360

my challenge Ossipee yeah actually for

237

00:16:07,650 --> 00:16:05,080

five most effective and the station

238

00:16:09,780 --> 00:16:07,660

flight control control team giving the

239

00:16:13,380 --> 00:16:09,790

crew the good news that cooling is

240

00:16:16,800 --> 00:16:13,390

flowing into the the new module

241

00:16:20,150 --> 00:16:16,810

tranquility the team seeing the

242

00:16:24,330 --> 00:16:20,160

temperatures drop in the in the node so

243

00:17:01,670 --> 00:16:24,340

the ammonia lines obviously working

244

00:17:10,710 --> 00:17:08,730

sighing greenlight copy approaching four

245

00:17:13,169 --> 00:17:10,720

hours thirty minutes into the spacewalk

246

00:17:15,540 --> 00:17:13,179

all going very smoothly in fact Bob

247

00:17:41,130 --> 00:17:15,550

Behnken should be wrapping up all of the

248

00:17:48,769 --> 00:17:44,250

okay Steve I might be a cover for star

249

00:17:59,759 --> 00:17:51,830

that's good Nick that shine camera

250

00:19:03,529 --> 00:17:59,769

that's very buff well we're not trust

251

00:19:14,239 --> 00:19:10,279

support receive text is fulfilling their

252

00:19:18,680 --> 00:19:14,249

neck so not only da tree and people

253

00:19:21,799 --> 00:19:18,690

could quarter-turn focuses on gas burner

254

00:19:23,479 --> 00:19:21,809

number right here Stevie Ray we think

255

00:19:25,549 --> 00:19:23,489

Nick's cleanup is going to be very quick

256

00:19:32,090 --> 00:19:25,559

we think he has time for another

257

00:19:32,989 --> 00:19:32,100

handrail or two let's make it one since

258

00:19:34,489 --> 00:19:32,999

s all he has left

259

00:19:39,489 --> 00:19:34,499

bad bones reporting so Thank You

260

00:19:44,509 --> 00:19:39,499

Schuester I will put that away

261

00:19:45,979 --> 00:19:44,519

all right off her head and but octopi

262

00:19:48,349 --> 00:19:45,989

let those great heading back to the

263

00:19:51,070 --> 00:19:48,359

airlock if you have a chance to use your

264

00:20:05,090 --> 00:19:51,080

camera a good thing to do - I will

265

00:20:09,799 --> 00:20:07,909

clothes can lock onto the earring

266

00:20:11,570 --> 00:20:09,809

extender this is Mission Control Houston

267

00:20:13,310 --> 00:20:11,580

as you can see the spacewalkers moving

268

00:20:15,049 --> 00:20:13,320

back into the quest airlock mission

269

00:20:17,060 --> 00:20:15,059

specialist Nicholas Patrick and Bob

270

00:20:19,190 --> 00:20:17,070

Macon having finished all their tasks on

271

00:20:22,610 --> 00:20:19,200

this spacewalk despite coming in a

272

00:20:24,830 --> 00:20:22,620

little early to make sure they have

273

00:20:28,279 --> 00:20:24,840

plenty of time to deal with safety

274

00:20:30,710 --> 00:20:28,289

procedures as a result of possible

275

00:20:32,840 --> 00:20:30,720

contaminate contamination of ammonia on

276

00:20:36,860 --> 00:20:32,850

mission specialist Nicholas Patrick's

277

00:20:39,200 --> 00:20:36,870

spacesuit crew is at 5 hours and 26

278

00:20:41,539 --> 00:20:39,210

minutes into today's spacewalk scheduled

279

00:20:44,060 --> 00:20:41,549

to be six and a half hours but despite

280

00:20:47,149 --> 00:20:44,070

the shortened amount of time they were

281

00:20:50,090 --> 00:20:47,159

staying out again we're able to get all

282

00:20:59,360 --> 00:20:50,100

of their tests completed Patrick

283

00:21:01,789 --> 00:20:59,370

finished up by installing eight eight

284

00:21:08,570 --> 00:21:01,799

handle handrails on the exterior of

285

00:21:11,299 --> 00:21:08,580

Tranquility as well as installing a deep

286

00:21:14,960 --> 00:21:11,309

rest valve that will allow the cupola to

287

00:21:17,360 --> 00:21:14,970

be depressurize before it's moved into

288

00:21:20,740 --> 00:21:17,370

its permanent home on the earth-facing

289

00:21:22,789 --> 00:21:20,750

side of tranquility later in the mission

290

00:21:24,470 --> 00:21:22,799

Nick when you're ready you can give Bob

291

00:21:28,159 --> 00:21:24,480

a go to relocate your safety tether

292

00:21:29,930 --> 00:21:28,169

anchor well people hobbit goes look okay

293

00:21:31,310 --> 00:21:29,940

you can take Nixon to safety tether

294

00:21:52,040 --> 00:21:31,320

anchor to the airlocks and it's tearing

295

00:21:57,440 --> 00:21:54,620

Caprice seat and again I can verify that

296

00:22:00,290 --> 00:21:57,450

I am closed and locked on to the dirac

297

00:22:02,390 --> 00:22:00,300

spinor thank you Bob given that you can

298

00:22:03,680 --> 00:22:02,400

release your safety tether from the air

299

00:22:10,190 --> 00:22:03,690

lock steering and put it on your mini

300

00:22:11,630 --> 00:22:10,200

workstation that can work Nick when

301
00:22:14,330 --> 00:22:11,640
you're all situated in there you can

302
00:22:16,940 --> 00:22:14,340
give Baba a go-to ingress well you have

303
00:22:20,780 --> 00:22:16,950
a good ingress and my son the best I can

304
00:22:23,540 --> 00:22:20,790
with the bags for you I left on this

305
00:22:27,110 --> 00:22:23,550
across the air off a bit holding the

306
00:22:28,070 --> 00:22:27,120
backbone so show me with your feet first

307
00:22:33,080 --> 00:22:28,080
and we'll probably

308
00:22:35,000 --> 00:22:33,090
deconflict naturally okay and you seem a

309
00:22:39,200 --> 00:22:35,010
little bit low to me here

310
00:22:40,850 --> 00:22:39,210
Oh Bob Behnken now making his way inside

311
00:22:42,500 --> 00:22:40,860
the quest airlock as well Pinkins the

312
00:22:46,130 --> 00:22:42,510
last task of the spacewalk was the

313
00:22:48,140 --> 00:22:46,140

installation of some thermal insulation

314

00:22:50,770 --> 00:22:48,150

covers on trunnions

315

00:22:54,020 --> 00:22:50,780

that secured tranquility inside the

316

00:22:55,360 --> 00:22:54,030

payload bay of Endeavour on the way into

317

00:22:57,620 --> 00:22:55,370

space

318

00:22:59,960 --> 00:22:57,630

hey to finished all of his scheduled

319

00:23:01,670 --> 00:22:59,970

tasks for today's spacewalk putting the

320

00:23:03,380 --> 00:23:01,680

two space walkers in a good place for